

BUREAU OF LAND MANAGEMENT

MONTHLY ALERT

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IN THIS ISSUE

- *Management Alert*
- *RECENT ADDITIONS Book List*

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About the MONTHLY ALERT ...

Forestry Topics

1. Forests and Forestry

General treatments of the subject; forestry and society; topical issues; education; agency annual reports.

2. Forest Operations

a. Silviculture: silvicultural systems; economics; stand improvement; measurement; operations management; natural and artificial regeneration, genetics.
b. Engineering: road construction; protective works; logging; equipment.

3. Forest Injury and Protection

Insect damage and control; pesticide applications; insect and disease surveys; forest pathology.

4. Fire Management

All aspects, including presuppression, prevention education, behavior; fire weather.

5. Watershed Management, with Soil and Site Factors

Hydrology; runoff; sedimentation; erosion; climatology; meteorology; habitat regions; precipitation.

6. Range and Wildlife Management

7. Forest Recreation

8. Forest Products Research

Wood technology and utilization; markets and marketing; forest products industries.

Allied Topics

9. Life Sciences

Plant and animal ecology; botany; environmental quality; biochemistry; zoology; physiology; animal genetics.

10. Computer Science, Statistics and Mathematics

11. Social Sciences

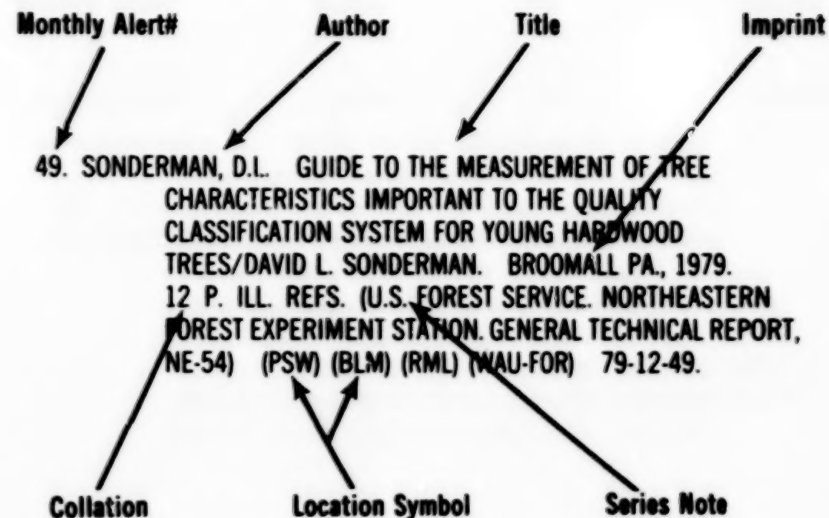
Environmental policy; regional planning; landscape analysis and planning; behavioral psychology; personnel management; office procedure and management.

12. Other Topics

The **Species Index** and the **Subject Index** on the following pages identify

individual citations by narrower, specific topics, e.g., management treatments, problem areas, and geographic locations.

Sample *Monthly Alert* Citation:



The citations listed in this **Alert** are arranged in broad topical categories. This permits browsing by subject interest.

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BLM-ALERT!

BLM's Management Alert section is available in this month's issue.

010. FORESTRY—GENERAL

1. Brooks, D. J. Temperate forests in a global context. The new eco-order : economic and ecological linkages of the world's temperate and boreal forest resources. [Seattle, Wash.] : Northwest Policy Center, University of Washington, 1995: p. 21-57.
2. Connett, D. W. Policies on pruning in national forests. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 304-310. (Contribution ; no. 77).
3. Dunn, P. H. Current status of USDA Forest Service Forest Insect and Disease Research. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 31-32.
4. Fedkiw, J. The Forest Service's pathway toward ecosystem management. *Journal of forestry*; Vol. 95, no. 4 (Apr. 1997): p. 30-34.
5. Freimund, W.; Queen, L. Wilderness @ Internet : enhancing the potential for wilderness electronic communication. *International journal of wilderness*; Vol. 2, no. 1 (May 1996): p. 33-36.
6. Gordon, J.; Sedell, J. An assessment of Indian forests and forest management in the United States. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [127]-133.
7. Groves, C. R. Coeur d'Alene salamander (*Plethodon idahoensis*). *Natural areas journal*; Vol. 16, no. 3 (July 1996): p. 238-247.
8. Harcharik, D. A. Sustaining forest ecosystems : FAO's role. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 127-130.
9. Heilpern, N. Forest regulations : a lesson in flexibility, protection and stewardship. *Forest log*; Vol. 65, no. 3 (Nov./Dec. 1995): p. 8-9.
10. Lawrence, R. L.; Daniels, S. E. Public involvement in natural resources decision making : goals, methodology, and evaluation. [Corvallis, Or.] : Forest Research Laboratory, College of Forestry, Oregon State University; 1996: 49 p. (Papers in forest policy; 3).
11. Lippke, B.; Moffett, J. Balancing global and regional objectives for the environment and the economy : the impact of regional comparative advantages in the forest sector. The new eco-order : economic and ecological linkages of the world's temperate and boreal forest resources. [Seattle, Wash.] : Northwest Policy Center, University of Washington, 1995: p. 93-108.
12. McIntire, J. L.; Bury, C. E. International policy development for northern forests : an overview of issues and research perspectives. The new eco-order : economic and ecological linkages of the world's temperate and boreal forest resources. [Seattle, Wash.] : Northwest Policy Center, University of Washington, 1995: p. 5-19.
13. Merigliano, L.; Krumpe, E. E. The Federal Advisory Committee Act : implications for U.S. wilderness management. *International journal of wilderness*; Vol. 2, no. 2 (Aug. 1996): p. 18-21.
14. National Forest reform proposal. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 44-46.
15. O'Laughlin, J.; Cook, P. S.; Rogers, K.; Merrill, T. Endangered Species Act at the crossroads : new directions from Idaho case studies : executive summary. [Moscow, Idaho]: University of Idaho; 1995: vii, 24 p. (Report (Idaho Forest, Wildlife and Range Policy Analysis Group); no. 13).
16. O'Toole, R. Timber sale subsidies, but who gets them? *Different drummer*; Vol. 2, no. 2 (spring 1995): p. 28-35.
17. Ogden, C. Assessment of western Washington and Oregon (FEMAT). Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [135]-136.
18. The planning process : reinvented or just gutted? *Different drummer*; Vol. 2, no. 2 (spring 1995): p. 38.
19. Reed, T.; Toulouse, B.; Parker, L. The view from the B-T. *Wyoming wildlife*; (Nov. 1996): p. [10]-15.

012. METHODOLOGY AND ADVANCED TECHNOLOGY

20. Childress, W. M.; Rykiel, E. J.; Forsythe, W.; Li, B. L.; Wu, H. Transition rule complexity in grid-based automata models. *Landscape ecology*; Vol. 11, no. 5 (1996): p. [257]-266.
21. Gastellu-Etchegorry, J. P.; Demarez, V.; Pinel, V.; Zagolski, F. Modeling radiative transfer in heterogeneous 3-D vegetation canopies. *Remote sensing of environment*; Vol. 58, no. 2 Nov. 1996): p. [131]-156.
22. Halpern, C. B.; Miller, E. A.; Geyer, M. A. Equations for predicting above-ground biomass of plant species in early successional forests of the western Cascade Range, Oregon. *Northwest science*; Vol. 70, no. 4 (Nov. 1996): p. 306-320.
23. Harrison, J. Wilderness @ internet : finding the information. *International journal of*

wilderness; Vol. 2, no. 2 (Aug. 1996): p. 25-26.

24. MacDonald, A. J. Forest resources planning : silviculture module software program. [Victoria, B.C.: Canadian Forest Service ; British Columbia Ministry of Forests]; 1996: vi, [25] p. (FRDA working paper; WP-6-016).
25. Mills, L. S.; Hayes, S. G.; Baldwin, C.; Wisdom, M. J.; Citta, J.; Mattson, D. J.; Murphy, K. Factors leading to different viability predictions for a grizzly bear data set. *Conservation biology*; Vol. 10, no. 3 (June 1996): p. 863-873.
26. Mueller, C. A.; Wall, D. L.; Cottrell, S. P. An analysis of vehicle accidents involving white tailed deer : a geographic information systems case study. Proceedings of the 1996 Northeastern Recreation Research Symposium, March 31-April 2, 1996, Bolton Landing, New York. Radnor, PA : USDA Forest Service, Northeastern Forest Experiment Station, 1997: p. 187-191. (General technical report NE ; 232).
27. Ozelkan, E. C.; Duckstein, L. Analysing water resources alternatives and handling criteria by multi criterion decision techniques. *Journal of environmental management*; Vol. 48, no. 1 (Sept. 1996): p. 63-96.
28. Schwinning, S.; Parsons, A. J. Analysis of the coexistence mechanisms for grasses and legumes in grazing systems. *Journal of ecology*; Vol. 84, no. 6 (Dec. 1996): p. [799]-813.
29. Stehman, S. V. Estimating the kappa coefficient and its variance under stratified random sampling. *Photogrammetric engineering and remote sensing*; Vol. 62, no. 4 (Apr. 1996): p. 401-407.
30. Stine, P. A. GIS technology and sage scrub habitat. *Endangered species technical bulletin*; Vol. 21, no. 5 (Sept./Oct. 1996): p. 4-6.
31. Ter-Mikaelian, M. T.; Wagner, R. G. Distance-independent models for predicting photosynthetically active radiation transmission through young forest plant canopies. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 127-130.

020. FOREST ECONOMICS

32. Bonnie, R. Safe harbor for the red-cockaded woodpecker. *Journal of forestry*; Vol. 95, no. 4 (Apr. 1997): p. 17-22.
33. Deane, J. G. The Tongass's time of decision. *Defenders*; Vol. 71, no. 3 (summer 1996): p. 53-56.
34. Durbin, K. Lawless logging. *Defenders*; Vol. 71, no. 3 (summer 1996): p. 14-24.

35. Eade, J. D. O.; Moran, D. Spatial economic valuation : benefits transfer using geographical information systems. *Journal of environmental management*; Vol. 48, no. 2 (Oct. 1996): p. 97-110.
36. Egan, A. F.; Jones, S. B. Determining forest harvest impact assessment criteria using expert opinion : a Delphi study. *Northern journal of applied forestry*; Vol. 14, no. 1 (Mar. 1997): p. 20-25.
37. GAO : National Forest timber sales lose billions. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 39-43.
38. Heilpern, N. So, why should I grow trees? *Forest log*; Vol. 65, no. 3 (Nov./Dec. 1995): p. 6-7, 28.
39. Holgen, P.; Lind, T. How do adjustments in the forest landscape resulting from environmental demands affect the costs and revenues to forestry? *Journal of environmental management*; Vol. 45, no. 2 (Oct. 1995): p. 177-187.
40. Iverson, D. C.; Alston, R. M. A new role for economics in integrated environmental management. Implementing integrated environmental management. Blacksburg, Va. : University Center for Environmental and Hazardous Materials Studies, Virginia Polytechnic Institute and State University, 1994: p. [27]-40.
41. U.S. Forest Service : fees for recreation special-use permits do not reflect fair market value. [Washington, D.C.] : U.S. General Accounting Office; 1996: 27 p.

030. FOREST ENGINEERING

42. Copes, D. L.; O'Rourke, D.; Randall, W. K. Field testing a modified duster for supplemental mass pollination in Douglas-fir seed orchards. *Tree planters' notes*; Vol. 46, no. 4 (fall 1995): p. [118]-125.
43. Dean, D. J. Finding optimal routes for networks of harvest site access roads using GIS-based techniques. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 11-22.
44. Desrochers, L. Four case studies of treating roadside delimbing slash. Pointe-Claire, Quebec: Forest Engineering Research Institute of Canada, Eastern Division; 1996: [2] p. (Field note; no. 93).
45. Gingras, J.-F.; Favreau, J. Comparative cost analysis of integrated harvesting and delivery of roundwood and forest biomass. [Pointe-Claire, Quebec]: Forest Engineering Research Institute of Canada; c1996: [18] p. (Special report (Forest Engineering Research Institute of Canada); SR-111).

46. Makkonen, I. Ucon Hydrolube fire-resistant hydraulic fluid. Pointe-Claire, Quebec: Forest Engineering Research Institute of Canada, Eastern Division; 1996: [2] p. (Field note; no. 48).
47. Norton, M. R.; Hannon, S. J. Songbird response to partial-cut logging in the boreal mixedwood forest of Alberta. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 44-53.
48. Oravetz, S. Tips for maintaining photovoltaic systems. Missoula, Mont.: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1997: 2 p. (Engineering tech tips; 9771-2303-MTDC).
49. Sinclair, L. A. Bear proof food lockers. San Dimas, Calif.: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1996: 12 p.
50. Treatment of roadside debris with the Morbark 30/36 E-Z Mountain Goat Chipper. Vancouver, B.C.: Forest Engineering Research Institute of Canada, Western Division; 1996: [2] p. (Field note; 92).

040. FOREST MENSURATION

51. Abuelgasim, A. A.; Gopal, S.; Irons, J. R.; Strahler, A. H. Classification of ASAS multiangle and multispectral measurements using artificial neural networks. *Remote sensing of environment*; Vol. 57, no. 2 (Aug. 1996): p. 79-87.
52. Allen, T. R.; Walsh, S. J. Spatial and compositional pattern of alpine treeline, Glacier National Park, Montana. *Photogrammetric engineering and remote sensing*; Vol. 62, no. 11 (Nov. 1996): p. 1261-1268.
53. Angold, P. G.; Gurnell, A. M.; Edwards, P. J. Locational errors in maps from environmental surveys and their implications for information extraction. *Journal of environmental management*; Vol. 47, no. 4 (Aug. 1996): p. 341-354.
54. Cihlar, J.; Manak, D.; Voisin, N. AVHRR bidirectional reflectance effects and compositing. *Remote sensing of environment*; Vol. 48, no. 1 (Apr. 1994): p. 77-88.
55. Elvidge, C. D.; Chen, Z. Comparison of broad-band and narrow-band red and near-infrared vegetation indices. *Remote sensing of environment*; Vol. 54, no. 1 (Oct. 1995): p. 38-48.
56. Flowers, P. J.; Keegan, C. E. An assessment of Montana's timber situation: revisited. Ecosystem management in western interior forests: symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash.: Cooperative Extension, Washington State University, 1995]: p. [123]-126.
57. Le Goff, N.; Ottorini, J. M. Leaf development and stem growth of ash (*Fraxinus excelsior*) as affected by tree competitive status. *Journal of applied ecology*; Vol. 33, no. 4 (Aug. 1996): p. 793-802.
58. Homer, C. G.; Ramsey, R. D.; Edwards, T. C.; Falconer, A. Landscape cover-type modeling using a multi-scene thematic mapper mosaic. *Photogrammetric engineering and remote sensing*; Vol. 63, no. 1 (Jan. 1997): p. 59-67.
59. Jasunback, T.; Chamberlain, K. GPS traverse methods. Missoula, Mont.: USDA Forest Service, Technology & Development Center; 1997: 2 p. (Operational GPS Support tech tips; 9771-2305-MTDC).
60. Jasunback, T.; Luepke, D.; McCullough, R.; Weigel, D. WAGE evaluation using the PLGR+96 FED. Missoula, Mont.: USDA Forest Service, Technology & Development Center; 1997: 4 p. (Operational GPS Support tech tips; 9771-2306-MTDC).
61. Jelinski, D. E.; Wu, J. The modifiable areal unit problem and implications for landscape ecology. *Landscape ecology*; Vol. 11, no. 3 (June 1996): p. 129-140.
62. Karnieli, A.; Shachak, M.; Tsor, H.; Zaady, E.; Kaufman, Y.; Danin, A.; Porter, W. The Effect of microphytes on the spectral reflectance of vegetation in semiarid regions. *Remote sensing of environment*; Vol. 57, no. 2 (Aug. 1996): p. 88-96.
63. Knapp, L.; Andrews, P. Image navigation for emergency response (INFER). Spatial information from images: proceedings, XVIII Congress of International Society for Photogrammetry and Remote Sensing, 1996 July 9-19, Vienna, Austria. [S.l.: The Society, 1996]: p. [192]-[197].
64. Krause, C. The use of dendrochronological material from buildings to get information about past spruce budworm outbreaks. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 69-75.
65. Krc, J. Application of forest inventory databases in computer simulations. *Phyton: annales rei botanicae*; Vol. 36, no. 3 (1996): p. [175]-180.
66. Lopez-Blanco, J.; Villers-Ruiz, L. Delineating boundaries of environmental units for land management using a geomorphological approach and GIS: a study in Baja California, Mexico. *Remote sensing of environment*; Vol. 53, no. 2 (Aug. 1995): p. 109-117.
67. McDonald, P. M.; Ritchie, M. W.; Abbott, C. S. Ten-year diameter and basal area growth of trees surrounding small group selection openings. *Northwest science*; Vol. 70, no. 4 (Nov. 1996): p. 341-347.
68. Means, J. E.; Harris, R. R.; Sabin, T. E.; McCain, C. N. Spatial variation in productivity of Douglas-fir stands on a valley floor in the western Cascades Range, Oregon. *Northwest*

science; Vol. 70, no. 3 (Aug. 1996): p. 201-212.

69. Mitchell, M. D.; Denne, M. P. Variation in density of *Picea sitchensis* in relation to within-tree trends in tracheid diameter and wall thickness. *Forestry*; Vol. 70, no. 1 (Feb. 1997): p. [47]-60.
70. Moran-Palma, P.; McTague, J. P. Stand dynamics of the spruce-fir forest in east-central Arizona. *Western journal of applied forestry*; Vol. 12, no. 2 (Apr. 1997): p. 55-61.
71. O'Neill, R. V.; Hunsaker, C. T.; Timmins, S. P.; Jackson, B. L.; Jones, K. B.; Riitters, K. H.; Wickham, J. D. Scale problems in reporting landscape pattern at the regional scale. *Landscape ecology*; Vol. 11, no. 3 (June 1996): p. 169-180.
72. Palacios-Orueta, A.; Ustin, S. L. Multivariate statistical classification of soil spectra. *Remote sensing of environment*; Vol. 57, no. 2 (Aug. 1996): p. 108-118.
73. Payandeh, B.; Dukes, D.; Baldwin, K. User's guide to FEXPERT : Forest ecosystem classification made easy. Sault Ste. Marie, Ont.: Forestry Canada, Ontario Region, Great Lakes Forestry Centre; c1995: 22 p. (Information report (Great Lakes Forestry Centre); O-X-443).
74. Payandeh, B.; Wang, Y. Evaluation of the additive model in developing composite site index curves. Sault Ste. Marie, Ont.: Forestry Canada, Ontario Region, Great Lakes Forestry Centre; c1995: 15 p. (Information report (Great Lakes Forestry Centre); O-X-442).
75. Philipson, J. J. Predicting cone crop potential in conifers by assessment of developing cone buds and cones. *Forestry*; Vol. 70, no. 1 (Feb. 1997): p. [87]-96.
76. Smith, A. M.; Major, D. J.; McNeil, R. L.; Willms, W. D.; Brisco, B.; Brown, R. J. Complementarity of radar and visible-infrared sensors in assessing rangeland condition. *Remote sensing of environment*; Vol. 52, no. 3 (June 1995): p. 173-180.
77. Sperduto, M. B.; Congalton, R. G. Predicting rare orchid (small whorled pogonia) habitat using GIS. *Photogrammetric engineering and remote sensing*; Vol. 62, no. 11 (Nov. 1996): p. 1269-1279.
78. Stehman, S. V. Use of auxiliary data to improve the precision of estimators of thematic map accuracy. *Remote sensing of environment*; Vol. 58, no. 2 (Nov. 1996): p. [169]-176.
79. Woodcock, C. E.; Gopal, S.; Albert, W. Evaluation of the potential for providing secondary labels in vegetation maps. *Photogrammetric engineering and remote sensing*; Vol. 62, no. 4 (Apr. 1996): p. 393-399.
80. Zhan, X.; Kustas, W. P.; Humes, K. S. An intercomparison study on models of sensible heat flux over partial canopy surfaces with remotely sensed surface temperature. *Remote sensing*

of environment; Vol. 58, no. 3 (Dec. 1996): p. [242]-256.

050. SILVICULTURE

81. Middleton, G. R. Regional comparisons of wood density and branch size in low stand density lodgepole pine. Vancouver, B.C.: Forintek Canada Corp., Western Laboratory; 1996: vi, 23 p. (Special publication (Forintek Canada Corp.); no. SP-36).
82. Reforestation. Rev. ed. Salem, OR: Forest Practices Program, Oregon Dept. of Forestry; 1994: 7 p. (Forest practice notes; no. 2).
83. Robek, R.; Matthies, D. Soil and tree disturbances due to forest operations : an unresolved, interdisciplinary issue. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. 181-186.

051. ARTIFICIAL REGENERATION

84. Cornelissen, J. H. C.; Diez, P. C.; Hunt, R. Seedling growth, allocation and leaf attributes in a wide range of woody plant species and types. *Journal of ecology*; Vol. 84, no. 5 (1996): p. [755]-765.
85. Halstrom, L. Reforestation of whitebark pine in the Northern Region. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 113-114.
86. James, R. L.; Page-Dumroese, D. S.; Kimball, S. K.; Omi, S. Effects of Brassica cover crop, organic amendment, fallowing, and soil fumigation on production of bareroot Douglas-fir seedlings, USDA Forest Service Nursery, Coeur D'Alene, Idaho. Missoula, Mont.: U.S. Dept. of Agriculture, Forest Service, Northern Region; 1996: 16 p. (Report (United States. Forest Service. Northern Region. Forest Health Protection); 96-5).
87. Li, D.-W. The effects of *Laccaria proxima* and fibrous pulp waste on the growth of nine container-grown conifer seedling species. *Mycorrhiza*; Vol. 6, no. 2 (Feb. 1996): p. 137-143.
88. Minore, D.; Weatherly, H. G.; Cartmill, M. Seeds, seedlings, and growth of Pacific yew (*Taxus brevifolia*). *Northwest science*; Vol. 70, no. 3 (Aug. 1996): p. 223-229.
89. Oplatka, M.; Sutherland, A. Tests on willow poles used for river bank protection. *Journal of hydrology, New Zealand*; Vol. 33, no. 1 (1995): p. 35-58.
90. Pilz, D. Propagation of Pacific yews from seed, (Part II). *American Conifer Society. Bulletin*; Vol. 13, no. 2 (spring 1996): p. 80-83.
91. Puri, S.; Verma, R. C. Vegetative propagation of *Dalbergia sissoo* Roxb. using softwood

and hardwood stem cuttings. *Journal of arid environments*; Vol. 34, no. 2 (Oct. 1996): p. [235]-245.

92. Rakowski, K. J. Hydrogen fluoride effects on plasma membrane composition and ATPase activity in needles of white pine (*Pinus strobus*) seedlings pretreated with 12 h photoperiod. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [248]-253.

93. Sorensen, F. C.; Webber, J. E. On the relationship between pollen capture and seed set in conifers. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 63-68.

94. Takemoto, B. K.; Bytnerowicz, A.; Dawson, P. J.; Morrison, C. L.; Temple, P. J. Effects of ozone on *Pinus ponderosa* seedlings: comparison of responses in the first and second growing seasons of exposure. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 23-30.

95. Walker, R. F.; Kane, L. M. Containerized Jeffrey pine growth and nutrient uptake in response to mycorrhizal inoculation and controlled release fertilization. *Western journal of applied forestry*; Vol. 12, no. 2 (Apr. 1997): p. 33-40.

052. SILVICULTURAL METHODS

96. Bailey, J. D.; Liegel, L. H. Response of Pacific yew (*Taxus brevifolia*) to partial removal of the overstory. *Western journal of applied forestry*; Vol. 12, no. 2 (Apr. 1997): p. 41-43.

97. Briggs, D. G.; Fight, R. D. Decision aids for choosing forest pruning systems. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 153-163. (Contribution; no. 77).

98. Briggs, D. G. Pruning in relation to forest inventory, wood quality, and products. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 21-35. (Contribution; no. 77).

99. Chan, S. Dynamics of planted conifers and hardwoods in the understory of hardwood dominated riparian zones. *The ecology & management of Oregon Coast Range forests: a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon*. Corvallis, Or.: Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 17-18.

100. Emmingham, W. H.; Maas, K. G.; Tucker, G. F. Survival and growth of conifers underplanted or released in alder dominated coastal riparian zones. *The ecology & management of Oregon Coast Range forests: a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon*. Corvallis, Or.: Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 19-22.

101. Fahey, T. D.; Willits, S. A. Volume and quality of clear wood from pruned trees. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 115-126. (Contribution; no. 77).

102. Fight, R. D.; Bolon, N. A. Is forest pruning a good investment for the Pacific Northwest? *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 65-73. (Contribution; no. 77).

103. Flora, D. F. A mesoeconomic perspective on wood quality. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 129-134. (Contribution; no. 77).

104. Gray, A. N.; Spies, T. A. Gap size, within-gap position and canopy structure effects on conifer seedling establishment. *Journal of ecology*; Vol. 84, no. 5 (1996): p. [635]-645.

105. Greeley, S. Pruning Douglas-fir: considerations and concerns of an industrial forest landowner. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 146-152. (Contribution; no. 77).

106. Hanley, D. P.; Oliver, C. D.; Maguire, D. A.; Briggs, D. G.; Fight, R. D. Forest pruning and wood quality: of Western North American conifers. Seattle, Wash.: University of Washington, College of Forest Resources; c1995: xii, 403 p. (Contribution (University of Washington. Institute of Forest Resources); no. 77).

107. Hibbs, D. E. Managing hardwood stands for timber production. Corvallis, Or.: Oregon State University Extension Service; 1995: 7 p.

108. Hulme, P. E. Natural regeneration of yew (*Taxus baccata* L.): microsite, seed or herbivore limitation? *Journal of ecology*; Vol. 84, no. 6 (Dec. 1996): p. [853]-861.

109. Johnson, J. M.; Petruncio, M. D.; Gara, R. I. Impacts of forest pest problems on intensive management practices such as pruning. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 245-251. (Contribution; no. 77).

110. Jozsa, L. A. An overview of forest pruning and wood quality in British Columbia. *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 36-64. (Contribution; no. 77).

111. Lippke, B. A hypothetical case study of strategies for implementing pruning: what will it take in cash flow, incentives, and markets? *Forest pruning and wood quality: of Western North American conifers*. Seattle, Wash.: University of Washington, College of Forest Resources, c1995: p. 169-175. (Contribution; no. 77).

112. Maguire, D. A.; Petruncio, M. D. Pruning and growth of Western Cascade species : Douglas-fir, western hemlock, sitka spruce. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 179-215. (Contribution ; no. 77).
 113. McLeod, K. W.; Reed, M. R.; Ciravolo, T. G. Reforesting a damaged stream delta. Land and water; [Vol. 40, no. 4] (July/Aug. 1996): p. 11-13.
 114. Mitchell, K. J. Simulate the treatment before pruning the stand. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 281-290. (Contribution ; no. 77).
 115. O'Hara, K. L.; Parent, D. R.; Hagle, S. K. Pruning eastern Cascade and northern Rocky Mountain species : biological opportunities. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 216-237. (Contribution ; no. 77).
 116. Oliver, C. D.; O'Hara, K. L.; Hanley, D. P. Issues and perspectives on forest pruning. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 3-20. (Contribution ; no. 77).
 117. Russell, K. Sealing of pruning wounds and associated diseases, and prevention of disease by pruning. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 238-244. (Contribution ; no. 77).
 118. Sambo, S. M.; Clark, M. L. Commercial thinning survey : western Canada. Vancouver, B.C.: Forest Engineering Research Institute of Canada, Western Division; 1996: [2] p. (Field note; 10).
 119. Schwandt, John. White pine leave tree guidelines. Forest Health Protection Report 96-3, United States Department of Agriculture, Forest Service, Northern Region, March 1996: 7 p.
 120. Shearer, R. C.; Potter, R. W.; Kurth, L. L.; Asebrook, J. M. Cooperation enhances revegetation efforts in Glacier National Park. Park science; Vol. 16, no. 1 (winter 1996): p. 20-21.
 121. Stewart, C. Management of whitebark pine on the Bitterroot National Forest, Montana. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 112.
 122. Tucker, G. F. Silviculture for enhancing structural diversity of young forests : a controlled experiment and simulations of future stand development. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 31-32.
 123. Winter, R.; Penty, R. Forest pruning in an economic and social context in British Columbia. Forest pruning and wood quality : of Western North American conifers. Seattle, Wash. : University of Washington, College of Forest Resources, c1995: p. 135-145. (Contribution ; no. 77).
060. GENETICS/PLANT BREEDING
124. Adams, W. T.; Hipkins, V. D.; Burczyk, J.; Randall, W. K. Pollen contamination trends in a maturing Douglas-fir seed orchard. Canadian journal of forest research; Vol. 27, no. 1 (Jan. 1997): p. 131-134.
 125. Bauer, L. S. Fiber farming with insecticidal trees. Journal of forestry; Vol. 95, no. 3 (Mar. 1997): p. 20-23.
 126. Besendorfer, V. Identification of potential cytogenetical and biochemical markers in bioindication of common oak forests. Phytion : annales rei botanicae; Vol. 36, no. 3 (1996): p. [139]-146.
 127. Bramlett, D. L. Genetic gain from mass controlled pollination and topworking. Journal of forestry; Vol. 95, no. 3 (Mar. 1997): p. 15-19.
 128. Cheng, Z. M.; Shi, N. Q.; Herman, D. E.; Capps, T. K. Building in resistance to dutch elm disease. Journal of forestry; Vol. 95, no. 3 (Mar. 1997): p. 24-27.
 129. DeWald, L. E.; Mahalovich, M. F. The role of forest genetics in managing ecosystems. Journal of forestry; Vol. 95, no. 4 (Apr. 1997): p. 12-16.
 130. Eriksson, O.; Froborg, H. "Windows of opportunity" for recruitment in long-lived clonal plants : experimental studies of seedling establishment in Vaccinium shrubs. Canadian journal of botany; Vol. 74, no. 9 (Sept. 1996): p. 1369-1374.
 131. Guttenberger, H.; Muller, M.; Grill, D. Cytogenetic studies on Norway spruce (*Picea abies* (L.) Karst.). Phytion : annales rei botanicae; Vol. 36, no. 3 (1996): p. [147]-154.
 132. Herrmann, R. G. Molecular and cytogenic mapping of plant genomes. Phytion : annales rei botanicae; Vol. 36, no. 3 (1996): p. [121]-128.
 133. Koshy, M. P.; Lester, D. T. Wood shrinkage and tree growth in coastal Douglas-fir : implications of selection. Canadian journal of forest research; Vol. 27, no. 1 (Jan. 1997):

p. 135-138.

134. McKeand, S.; Svensson, J. Sustainable management of genetic resources. *Journal of forestry*; Vol. 95, no. 3 (Mar. 1997): p. 4-9.
135. Morgante, M. Molecular tools for population and ecological genetics in coniferous trees. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [129]-138.
136. Simpson, J. D. The New Brunswick tree improvement program. *Journal of forestry*; Vol. 95, no. 3 (Mar. 1997): p. 12-14.
137. Sinkovic, T.; Batic, F.; Javornik, B.; Guttenberger, H. Detection of interspecies hybrids in plants by fluorescence in situ hybridization, using total genomic DNA as a probe. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [155]-158.
138. Torick, L. L.; Tombaback, D. F.; Espinoza, R. Occurrence of multi-genet tree clusters in "wind-dispersed" pines. *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 262-266.
139. Zhang, Y.; Schowalter, T. D. Managing cone and seed insects. *Journal of forestry*; Vol. 95, no. 3 (Mar. 1997): p. 28-32.

070. PLANT SCIENCE

140. Ash, S.; Litwin, R. J. Two new species of the pinnate microsporophyll *Pramelreuthia* from the upper Triassic of the southwestern United States. *American journal of botany*; Vol. 83, no. 8 (Aug. 1996): p. 1091-1099.
141. Dashek, W. V. *Methods in plant biochemistry and molecular biology*. Boca Raton: CRC Press; c1997: 457 p.
142. Evans, R. C.; Dickinson, T. A. North American black-fruited hawthorns. II, Floral development of 10- and 20-stamen morphotypes in *Crataegus* section *Douglasii* (Rosaceae: Maloideae). *American journal of botany*; Vol. 83, no. 8 (Aug. 1996): p. 961-978.
143. Godt, M. J. W.; Hamrick, J. L. Genetic structure of two endangered pitcher plants, *Sarracenia jonesii* and *Sarracenia oreophila* (Sarraceniaceae). *American journal of botany*; Vol. 83, no. 8 (Aug. 1996): p. 1016-1023.
144. Haavisto, V. F.; Cameron, D. A.; Crook, G. W. Bibliography of black spruce literature published by the Canadian Forest Service-Ontario, Great Lakes Forestry Centre 1965-1995. Sault Ste. Marie, Ont.: Forestry Canada, Ontario Region, Great Lakes Forestry Centre; c1995: 34 p. (Information report (Great Lakes Forestry Centre); O-X-449).

145. Maya, Y.; Arriaga, L. Litterfall and phenological patterns of the dominant overstorey species of a desert scrub community in north-western Mexico. *Journal of arid environments*; Vol. 34, no. 1 (Sept. 1996): p. [23]-35.
146. Mayfield, J. E.; Dashek, W. V. *Methods for analysis of plant cell and tissue ultrastructure. Methods in plant biochemistry and molecular biology*. Boca Raton : CRC Press, c1997: p. 3-12.
147. Rundel, P. W. Monocotyledonous geophytes in the California flora. *Madrono*; Vol. 43, no. 3 (July-Sept. 1996): p. 355-368.
148. Schmid, B.; Bazzaz, F. A. Crown construction, leaf dynamics, and carbon gain in two perennials with contrasting architecture. *Ecological monographs*; Vol. 64, no. 2 (May 1994): p. [177]-203.
149. Schmidt, W. C. Around the world with *Larix* : an introduction. *American Conifer Society. Bulletin*; Vol. 13, no. 2 (spring 1996): p. 52-55.

072. ANATOMY/MORPHOLOGY

150. Cherubini, P.; Schweingruber, F. H.; Forster, T. Morphology and ecological significance of intra-annual radial cracks in living conifers. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [216]-222.
151. De Soyza, A. G.; Whitford, W. G.; Martinez-Meza, E.; Van Zee, J. W. Variation in creosotebush (*Larrea tridentata*) canopy morphology in relation to habitat, soil fertility and associated annual plant communities. *The American midland naturalist*; Vol. 137, no. 1 (Jan. 1997): p. 13-26.
152. Farrar, J. J.; Evert, R. F. Seasonal changes in the ultrastructure of the vascular cambium of *Robinia pseudoacacia*. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [191]-202.
153. Farrar, J. J.; Evert, R. F. Ultrastructure of cell division in the fusiform cells of the vascular cambium of *Robinia pseudoacacia*. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [203]-215.

073. PLANT PHYSIOLOGY

154. Barrick, K. A.; Schoettle, A. W. A comparison of the foliar nutrient status of elfinwood and symmetrically formed tall trees, Colorado Front Range, U.S.A. *Canadian journal of botany*; Vol. 74, no. 9 (Sept. 1996): p. 1461-1475.
155. Bavcon, J.; Gogala, N. The influence of UV-B irradiation on the mitotic activity in *Picea abies* (L.) Karst. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [47]-50.

156. Blanken, P. D.; Rouse, W. R. Evidence of water conservation mechanisms in several subarctic wetland species. *Journal of applied ecology*; Vol. 33, no. 4 (Aug. 1996): p. [842]-850.
157. Bytnerowicz, A. Physiological aspects of air pollution stress in forests. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [15]-22.
158. Cudlin, P.; Chmelikova, E. Degradation and restoration processes in crowns and fine roots of polluted montane Norway spruce ecosystems. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [69]-76.
159. Dumont-BeBoux, N. Water relations parameters and tissue development in somatic and zygotic embryos of three pinaceous conifers. *American journal of botany*; Vol. 83, no. 8 (Aug. 1996): p. 992-996.
160. France, R. Carbon isotope ratios in logged and unlogged boreal forests : examination of the potential for determining wildlife habitat use. *Environmental management*; Vol. 20, no. 2 (1996): p. 249-255.
161. Glenn, E. Na and K accumulation and salt tolerance of *Atriplex canescens* (Chenopodiaceae) genotypes. *American journal of botany*; Vol. 83, no. 8 (Aug. 1996): p. 997-1005.
162. Grams, T. E. E.; Haag-Kerwer, A.; Olivares, E.; Ball, E.; Arndt, S.; Popp, M.; Medina, E.; Luttge, U. Comparative measurements of chlorophyll a fluorescence, acid accumulation and gas exchange in exposed and shaded plants of *Clusia minor* L. and *Clusia multiflora* H.B.K. in the field. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [240]-247.
163. Jackson, R. B.; Caldwell, M. M. Integrating resource heterogeneity and plant plasticity : modelling nitrate and phosphate uptake in a patchy soil environment. *Journal of ecology*; Vol. 84, no. 6 (Dec. 1996): p. [891]-903.
164. Karlsson, P. S.; Olsson, L.; Hellstrom, K. Trade-offs among investments in different long-shoot functions-variation among mountain birch individuals. *Journal of ecology*; Vol. 84, no. 6 (Dec. 1996): p. [915]-921.
165. Kinney, K. K.; Lindroth, R. L. Responses of three deciduous tree species to atmospheric CO₂ and soil NO₃-availability. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 1-10.
166. Kolb, T. E.; Hart, S. C.; Amundson, R. Boxelder water sources and physiology at perennial and ephemeral stream sites in Arizona. *Tree physiology*; Vol. 17, no. 3 (Mar. 1997): p. [151]-160.
167. Kraigher, H.; Hanke, D. E. Cytokinins in Norway spruce seedlings and forests soil pollution. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [57]-60.
168. Krizaj, B.; Stupar, J. Potassium content in living bark, cambium and wood in relation to electrical resistance and tree condition in the silver fir (*Abies alba* Mill.). *Phyton : annales rei botanicae*; p. [39]-42.
169. Lucas, P. W.; Wolfenden, J. The role of plant hormones as modifiers of sensitivity to air pollutants. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [51]-56.
170. Maier-Maercker, U. Experiments on the water balance of individual attached twigs of *Picea abies* (L.) Karst. in pure and ozone-enriched air. *Trees*; Vol. 11, no. 4 (Feb. 1997): p. [229]-239.
171. Marschner, H. Mineral nutrient acquisition in nonmycorrhizal and mycorrhizal plants. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [61]-68.
172. Methy, M.; Gillon, D.; Houssard, C. Temperature-induced changes of photosystem II activity in *Quercus ilex* and *Pinus halepensis*. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 31-38.
173. Murray, P. J.; Hatch, D. J.; Cliquet, J. B. Impact of insect herbivory on the growth and nitrogen and carbon contents of white clover (*Trifolium repens*) seedlings. *Canadian journal of botany*; Vol. 74, no. 10 (Oct. 1996): p. 1591-1595.
174. Nobel, P. S. Responses of some North American CAM plants to freezing temperatures and doubled CO₂ concentrations : implications of global climate change for extending cultivation. *Journal of arid environments*; Vol. 34, no. 2 (Oct. 1996): p. [187]-196.
175. Ravetta, D. A.; McLaughlin, S. P. Ecophysiological studies in *Hesperaloe funifera* (Agavaceae) : a potential new CAM crop : the effect of light availability on photosynthesis and growth. *Journal of arid environments*; Vol. 33, no. 4 (Aug. 1996): p. [399]-407.
176. Ribaric Lasnik, C.; Batic, F.; Grill, D. Investigation of physiological responses in Norway spruce needles to natural and anthropogenic factors. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [43]-46.
177. Ritchie, G. A. Evidence for red:far red signaling and photomorphogenic growth response in Douglas-fir (*Pseudotsuga menziesii*) seedlings. *Tree physiology*; Vol. 17, no. 3 (Mar. 1997): p. [161]-168.
178. Schwarz, P. A.; Fahey, T. J.; Dawson, T. E. Seasonal air and soil temperature effects on photosynthesis in red spruce (*Picea rubens*) saplings. *Tree physiology*; Vol. 17, no. 3 (Mar. 1997): p. [187]-194.
179. Sheppard, L. J. How reproducible are the reactions of stress indicators for Sitka spruce

- treated with acid mist? *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [23]-30.
180. Simonic, P.; Kalan, P. Annual pattern of sulphur content in spruce needles from heavily and less polluted areas. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [81]-84.
 181. Takaso, T.; Von Aderkas, P.; Owens, J. N. Prefertilization events in ovules of *Pseudotsuga*: ovular secretion and its influence on pollen tubes. *Canadian journal of botany*; Vol. 74, no. 8 (Aug. 1996): p. 1214-1219.
 182. Tausz, M.; Grill, D.; Guttenberger, H. The use of physiological parameters of spruce needles as a bioindication tool. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [31]-34.
 183. Torelli, N.; Cufar, K.; Oven, P. Bioelectrical characterization of tree conditions and slime cells in the bark as possible symptoms of silver fir decline. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [35]-38.
 184. Vodnik, D. Growth response of ectomycorrhizal Norway spruce seedlings transplanted on lead-polluted soils. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [77]-80.
074. PLANT ECOLOGY
185. Allison, S. K. Recruitment and establishment of salt marsh plants following disturbance by flooding. *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 232-247.
 186. Barrows, C. W. An ecological model for the protection of a dune ecosystem. *Conservation biology*; Vol. 10, no. 3 (June 1996): p. 888-891.
 187. Chen, J.; Franklin, J. F.; Lowe, J. S. Comparison of abiotic and structurally defined patch patterns in a hypothetical forest landscape. *Conservation biology*; Vol. 10, no. 3 (June 1996): p. 854-862. Grant no. PNW-910065.
 188. Collet, C. Effect of two forest grasses differing in their growth dynamics on the water relations and the growth of *Quercus petraea* seedlings. *Canadian journal of botany*; Vol. 74, no. 10 (Oct. 1996): p. 1562-1571.
 189. Collet, C.; Frochot, H.; Guehl, J.-M. Growth dynamics and water uptake of two forest grasses differing in their growth strategy and potentially competing with forest seedlings. *Canadian journal of botany*; Vol. 74, no. 10 (Oct. 1996): p. 1555-1561.
 190. Hibbs, D.; Giordano, P. Structure, composition, & dynamics of riparian buffer strips. The ecology & management of Oregon Coast Range forests: a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or.: Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 14-16.
 191. Hulme, P. E. Herbivory, plant regeneration, and species coexistence. *Journal of ecology*; Vol. 84, no. 4 (Aug. 1996): p. 609-615.
 192. Jeltsch, F.; Milton, S. J.; Dean, W. R. J.; Van Rooyen, N. Tree spacing and coexistence in semiarid savannas. *Journal of ecology*; Vol. 84, no. 4 (Aug. 1996): p. 583-595.
 193. Johnson, J. B. Phytosociology and gradient analysis of a subalpine treed fen in Rocky Mountain National Park, Colorado. *Canadian journal of botany*; Vol. 74, no. 8 (Aug. 1996): p. 1203-1213.
 194. Kendall, K. C.; Hoff, R. J. An introduction to whitebark pine ecology and status. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l.: s.n., 1996?]: p. 97-102.
 195. Klinger, L. F. Coupling of soils and vegetation in peatland succession. *Arctic and alpine research*; Vol. 28, no. 3 (Aug. 1996): p. 380-387.
 196. Menges, E. S.; Gordon, D. R. Three levels of monitoring intensity for rare plant species. *Natural areas journal*; Vol. 16, no. 3 (July 1996): p. 227-237.
 197. Montague, T. G.; Givnish, T. J. Distribution of black spruce versus eastern larch along peatland gradients: relationship to relative stature, growth rate, and shade tolerance. *Canadian journal of botany*; Vol. 74, no. 9 (Sept. 1996): p. 1514-1532.
 198. Riffell, S. K.; Gutzwiller, K. J. Plant-species richness in corridor intersections: is intersection shape influential? *Landscape ecology*; Vol. 11, no. 3 (June 1996): p. 157-168.
 199. Scrosati, R. Implications of the sampling procedure used to estimate mean plant biomass for the analysis of plant self-thinning. *Canadian journal of botany*; Vol. 74, no. 10 (Oct. 1996): p. 1543-1544.
 200. Stalling, C. M. Botanical reconnaissance of Carlton Ridge Research Natural Area: mid-to high-elevation subalpine habitats. [Odgen, UT]: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1997: 7 p. (Research note INT; RN-431).
 201. Ter-Mikaelian, M. T.; Wagner, R. G.; Shropshire, C.; Bell, F. W.; Swanton, C. J. Using a mechanistic model to evaluate sampling designs for light transmission through forest plant canopies. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 117-126.
080. PLANT INJURY/PEST CONTROL
202. Byler, J.; Vogler, D. Forest pathology and disturbance ecology: is there a role for forest pathologists? Proceedings of the forty-third annual Western International Forest Disease

Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 138-144.

203. Goheen, E. M. Improving forest resource inventories : disease and insect information from the Pacific Northwest Region's current vegetation survey. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 93-96.
204. Harvey, A. E.; Hessburg, P. F.; Byler, J. W.; McDonald, G. I.; Weatherby, J. C.; Wickman, B. E. Health declines in western interior forests : symptoms and solutions. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [163]-170.
205. Heilpern, N. Beetles and disease : Mother Nature's cycle of forest health. Forest log; Vol. 65, no. 3 (Nov./Dec. 1995): p. 10-11.
206. Hoekstra, T. W.; Allen, T. F. H. What is disturbance ecology and what are the implications for forest pathology? Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 119-120.
207. Mathiasen, R. L. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: iv, 207 p.
208. Wuerthner, G. Alien invasion. National parks; Vol. 70, nos. 11/12 (Nov./Dec. 1996): p. 32-35.

081. MYCOLOGY/PATHOLOGY

209. Behrendt, C. J.; Blanchette, R. A.; Farrell, R. L. New methods of control for blue stain fungi. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 48-55.
210. Chastagner, G. A.; Newcombe, G. Spread and persistence of two exotic *Melampsora* leaf rust pathogens in the Pacific Northwest. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 82-86.
211. DeNitto, G.; Haugen, L. Inoculating ponderosa pine and Douglas-fir seedlings with mycorrhizal fungi at the time of outplanting. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana,

August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 37-45.

212. Garbelotto, M. Biology and population genetics of *Heterobasidion annosum* in California forests. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 56-62.
213. Garcia-Guzman, G.; Burdon, J. J.; Nicholls, A. O. Effects of the systemic flower infecting-smut *Ustilago bullata* on the growth and competitive ability of the grass *Bromus catharticus*. Journal of ecology; Vol. 84, no. 5 (1996): p. [657]-665.
214. Gardes, M.; Bruns, T. D. Community structure of ectomycorrhizal fungi in a *Pinus muricata* forest : above- and below-ground views. Canadian journal of botany; Vol. 74, no. 10 (Oct. 1996): p. 1572-1583.
215. Geils, B. W. Changes in taxonomy, hosts, and distribution of *Arceuthobium*. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 68-73.
216. Gilbertson, R. L. Taxonomy and nomenclature of polyporoid *Hymenochaetaceae* with special reference to *Phellinus weirii* and related species. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 6-14.
217. Hansen, E. M. Comparison of *Phellinus sulphurascens* and *P. weirii* from Asia and North America using plate pairing and molecular techniques. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 15-21.
218. Harris, J. L.; Kallas, M. Armillaria root disease in the Black Hills. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I. : s.n., 1996?]: p. 145.
219. He, W. Evaluation of the efficacy of selected thermal boron treatments in eliminating pests in freshly peeled Douglas-fir logs. Forest products journal; Vol. 47, no. 3 (Mar. 1997): p. 66-70.
220. Hildebrand, D. M. *Arceuthobium tsugense*, hemlock dwarf mistletoe : a species of special concern? Portland, OR: USDA Forest Service, Pacific Northwest Region, Natural Resources, Forest Insects and Diseases; 1995: 54 p.
221. Hoff, R. J. Blister rust resistance in whitebark pine : data from two years after inoculation. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.I.

- : s.n., 1996?]: p. 103-104.
222. Jung, T.; Blaschke, H. Phytophthora root rot in declining forest trees. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [95]-102.
 223. Jurc, M. Air pollution and fungal endophytes in needles of Austrian pine. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [111]-114.
 224. Kraigher, H.; Batic, F.; Agerer, R. Types of ectomycorrhizae and mycobioremediation of forest site pollution. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [115]-120.
 225. Larsen, M. J. Taxonomic components of North American poroid Hymenochaetales with special reference to *Inonotus sulphurascens* and *I. weirii*. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 22-30.
 226. Magan, N.; Smith, M. K. Isolation of the endophytes *Lophodermium piceae* and *Rhizosphaera kalkhoffii* from Sitka spruce needles in poor and good growth sites and in vitro effects of environmental factors. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [103]-110.
 227. Marshall, K. The relationship of Douglas-fir dwarf mistletoe (*Arceuthobium douglasii*) to environmental and stand conditions and plant communities in the southern Oregon Cascades. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 87.
 228. Merrill, W.; Wenner, N. G.; Dreisbach, T. A. *Canavirgella banfieldii* gen. and sp. nov. : a needlecast fungus on pine. *Canadian journal of botany*; Vol. 74, no. 9 (Sept. 1996): p. 1476-1481.
 229. Nickrent, D. L. Molecular systematics of *Arceuthobium*. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 74-81.
 230. Pronos, J.; Warner, T. E.; Duriscoe, D. M. Can dwarf mistletoe be eliminated from recreation areas? Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 88-92.
 231. Ross, D. W.; Solheim, H. Pathogenicity to Douglas-fir of *Ophiostoma pseudotsugae* and *Leptographium abietinum*, fungi associated with the Douglas-fir beetle. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 39-43.
 232. Tarafdar, J. C.; Kumar, P. The role of vesicular arbuscular mycorrhizal fungi on crop, tree and grasses grown in an arid environment. *Journal of arid environments*; Vol. 34, no. 2 (Oct. 1996): p. [197]-203.
 233. Thies, W. G. Taxonomic relationships of poroid taxa in the Hymenochaetales with particular emphasis on the organism causing laminated root rot : panel. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 5.
 234. Trummer, L. M.; Hennon, P. E.; Hansen, E. M. Retrospective dwarf mistletoe research : assessing the importance, opportunities, and challenges. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 33-36.
 235. Ursic, M.; Peterson, R. L.; Husband, B. Relative abundance of mycorrhizal fungi and frequency of root rot on *Pinus strobus* seedlings in a southern Ontario nursery. *Canadian journal of forest research*; Vol. 27, no. 1 (Jan. 1997): p. 54-62.
 236. Wiens, D. Exotic species of *Arceuthobium*, including *A. hawksworthii* - a new species from Belize. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 63-66.
- ## 082. INSECTS AND OTHER INVERTEBRATES
237. Blatt, S. E.; Borden, J. H. Evidence for a male-produced aggregation pheromone in the western conifer seed bug, *Leptoglossus occidentalis* Heidemann (Hemiptera: Coreidae). *The Canadian entomologist*; Vol. 128, no. 4 (July/Aug. 1996): p. 777-778.
 238. Day, K. R.; Cameron, A. Effect of contemporary infestation by the spruce aphid (*Elatobium abietinum*) on root growth in Sitka spruce transplants. *Forestry*; Vol. 70, no. 1 (Feb. 1997): p. [1]-5.
 239. Kegley, S. A study to determine the impact of cone and seed insects on whitebark pine. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 115-117.
 240. Lyons, D. B. Oviposition and fecundity of pine false webworm (Hymenoptera: Pamphiliidae). *The Canadian entomologist*; Vol. 128, no. 5 (Sept./Oct. 1996): p. 779-790.
 241. Meating, J. H. The efficacy of single and double applications of a new insect growth regulator, Tebufenozide (RH5992), on jack pine budworm in Ontario. Sault Ste. Marie, Ont.: Forestry Canada, Ontario Region, Great Lakes Forestry Centre; c1996: 8 p. (Information

report (Great Lakes Forestry Centre); O-X-444).

242. Pine engraver beetle (*Ips pini*). Salem, Or.: Forest Health Program, Oregon Dept. of Forestry; 1996: 2 p.
243. Ross, D. W.; Niwa, C. G. Using aggregation and antiaggregation pheromones of the Douglas-fir beetle to produce snags for wildlife habitat. *Western journal of applied forestry*; Vol. 12, no. 2 (Apr. 1997): p. 52-54.
244. Ross, D. W.; Gibson, K. E.; Thier, R. W.; Munson, A. S. Optimal dose of an antiaggregation pheromone (3-methylcyclohex-2-en-1-one) for protecting live Douglas-fir from attack by *Dendroctonus pseudotsugae* (Coleoptera: Scolytidae). *Journal of economic entomology*; Vol. 89, no. 5 (Oct. 1996): p. 1204-1207.
245. Smitley, D. R. Incidence of *Popillia japonica* (Coleoptera: Scarabaeidae) and other scarab larvae in nursery fields. *Journal of economic entomology*; Vol. 89, no. 5 (Oct. 1996): p. 1262-1266.
246. Soule, P. T.; Knapp, P. A. The influence of vegetation removal by western harvester ants (*Pogonomyrmex owyheei*) in a relict area of sagebrush-steppe in central Oregon. *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 336-345.

083. HARMFUL VEGETATION

247. Asher, J. E.; Harmon, D. W. Invasive exotic plants are destroying the naturalness of U.S. wilderness areas. *International journal of wilderness*; Vol. 1, no. 2 (Dec. 1995): p. 35-37.
248. Bell, F. W.; Ride, K. R.; St-Amour, M. L.; Ryans, M. Productivity, cost, efficacy and cost effectiveness of motor-manual, mechanical, and herbicide release of boreal spruce plantations. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 39-46.
249. Lautenschlager, R. A.; Bell, F. W.; Wagner, R. G. Alternative conifer release treatments affect small mammals in northwestern Ontario. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 99-106.
250. Reynolds, P. E.; Simpson, J. A.; Lautenschlager, R. A.; Bell, F. W.; Gordon, A. M.; Buckley, D. A.; Gresch, D. A. Alternative conifer release treatments affect below- and near-ground microclimate. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 75-82.
251. Reynolds, P. E.; Bell, F. W.; Simpson, J. A.; Gordon, A. M.; Lautenschlager, R. A.; Gresch, D. A.; Buckley, D. A. Alternative conifer release treatments affect leaf area index of competing vegetation and available light for seedling growth. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 83-89.

252. Simpson, J. A.; Gordon, A. M.; Reynolds, P. E.; Lautenschlager, R. A.; Bell, F. W.; Gresch, D.; Buckley, D. Influence of alternative conifer release treatments on soil nutrient movement. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 69-73.
253. Thompson, D. G.; Pitt, D. G.; Staznik, B.; Payne, N. J.; Jaipersaid, D.; Lautenschlager, R. A.; Bell, F. W. On-target deposit and vertical distribution of aerially released herbicides. *The forestry chronicle*; Vol. 73, no. 1 (Jan./Feb. 1997): p. 47-59.

084. ENVIRONMENTAL INJURY

254. Air resource management : what we have been doing--. [Portland, Or.] : USDA Forest Service, Pacific Northwest Region; [1996]: [21] p.
255. Ammann, M.; Ballmoos, P. von; Stalder, M.; Suter, M.; Brunold, C. Uptake and assimilation of atmospheric NO₂-N by spruce needles (*Picea abies*) : a field study. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1497-1502.
256. Bergmann, E.; Bender, J.; Weigel, H. J. Growth responses and foliar sensitivities of native herbaceous species to ozone exposures. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1437-1442.
257. Bogataj, N. Some aspects of interpretation of forest trees defoliation data. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [171]-174.
258. Fowler, D.; Smith, R. I.; Coyle, M.; Weston, K. J.; Davies, T. D.; Ashmore, M. R.; Brown, M. Quantifying the fine scale (1km x 1km) exposure and effects of ozone. Part 1, Methodology and application for effects on forests. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1479-1484.
259. Fredericksen, T. S. Predicting ozone uptake from meteorological and environmental variables. *Journal of the Air & Waste Management Association*; Vol. 46, no. 5 (May 1996): p. 464-469.
260. Heagle, A. S.; Miller, J. E.; Chevone, B. I.; Dreschel, T. W.; Manning, W. J.; McCool, P. M.; Morrison, C. L.; Neely, G. E.; Rebbeck, J. Response of a white clover indicator system to tropospheric ozone at eight locations in the United States. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1373-1378.
261. Hogan, G.D.; Taylor, S. J. Effect of acidic deposition on hybrid poplar : primary of predisposing stress? *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1419-1424.
262. Holopainen, J. K.; Kainulainen, P.; Oksanen, J. Effects of gaseous air pollutants on aphid performance on Scots pine and Norway spruce seedlings. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1431-1436.

263. Johnson, D. W.; Walker, R. F.; Ball, J. T. Combined effects of nitrogen and elevated CO₂ on soils from controlled environment studies. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1551-1556.
264. Kainulainen, P.; Holopainen, J. K.; Oksanen, J. Effects of gaseous air pollutants on secondary chemistry of Scots pine and Norway spruce seedlings. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1393-1398.
265. Li, Z.; Shuman, L. M. Heavy metal movement in metal-contaminated soil profiles. *Soil science*; Vol. 161, no. 10 (Oct. 1996): p. 656-666.
266. Matthes, P. Wildlife, people, and contaminants. *Endangered species technical bulletin*; Vol. 21, no. 5 (Sept./Oct. 1996): p. 16-18.
267. Mikkelsen, T. N.; Ro-Poulsen, H. Long term in situ measurements of gas exchange in a Norway spruce canopy at ambient and elevated ozone levels using a light weight chamber system : system designs and first results. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1413-1418.
268. Monk, R. J.; Murray, F. The relative tolerance of some Eucalyptus species to ozone exposure. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1405-1411.
269. Rogina, D.; Druskovic, B. The influence of altitude and exposition on the degree of cytogenetic damage to Norway spruce (*Picea abies* (L.) Karst.) in Slovenia. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [163]-166.
270. Shan, Y.; Feng, Z.; Izuta, T.; Aoki, M.; Totsuka, T. The individual and combined effects of ozone and simulated acid rain on chlorophyll contents, carbon allocation and biomass accumulation of armand pine seedlings. *Water, air and soil pollution*; Vol. 85, no. 3 (Dec. 1995): p. 1399-1404.

085. ANIMAL DAMAGE

271. Briggs, H. C. Moral hazard, externalities, and compensation for crop damages from wildlife. *Journal of environmental economics and management*; Vol. 31, no. 3 (Nov. 1996): p. 368-386.
272. Manseau, M.; Huot, J.; Crete, M. Effects of summer grazing by caribou on composition and productivity of vegetation : community and landscape level. *Journal of ecology*; Vol. 84, no. 4 (Aug. 1996): p. 503-513.
273. Nolte, D. L.; Otto, I. J. Materials and supplies for management of wildlife damage to trees. [Missoula, Mont.]: U.S. Dept. of Agriculture, Forest Service, Technology & Development Program; 1996: iv, 48 p.

090. FIRES

274. Arno, S. F.; Harrington, M. G.; Fiedler, C. E.; Carlson, C. E. Restoring fire-dependent ponderosa pine forests in western Montana. *Restoration & management notes*; Vol. 13, no. 1 (summer 1995): p. 32-36.
275. Blank, R. R.; Allen, F. L.; Young, J. A. Influence of simulated burning of soil-litter from low sagebrush, squirreltail, cheatgrass, and medusahead on water-soluble anions and cations. *International journal of wildland fire*; Vol. 6, no. 3 (Sept. 1996): p. 137-143.
276. Brown, P. M.; Sieg, C. H. Fire history in interior ponderosa pine communities of the Black Hills, South Dakota, USA. *International journal of wildland fire*; Vol. 6, no. 3 (Sept. 1996): p. 97-105.
277. Christensen, N. L. Fire and wilderness. *International journal of wilderness*; Vol. 1, no. 1 (Sept. 1995): p. 30-34.
278. Course to the future : positioning fire and aviation management. [Washington, D.C.]: U.S. Dept. of Agriculture, Forest Service, Fire and Aviation Management; 1995: ii, 19 p.
279. Duce, T.; Voth, E.; Andrews, P. Visualization of historical wildfire data : application of a DX-Oracle interface. *Proceedings, third International Conference/Workshop on Integrating GIS and Environmental Modeling*, Santa Fe, NM, January 21-26, 1996. Santa Barbara, CA : National Center for Geographic Information and Analysis, [1996?]: [10] p.
280. Heilpern, N. Prescribed fire : pay now or pay more later? *Forest log*; Vol. 65, no. 3 (Nov./Dec. 1995): p. 4-5.
281. Heilpern, N. Racing flames in the interface. *Forest log*; Vol. 65, no. 3 (Nov./Dec. 1995): p. 12-13, 28-29.
282. Maruoka, K. R.; Agee, J. K. Fire histories : overview of methods and applications. [Oregon?]: Blue Mountains Natural Resources Institute; 1994: 5 p. (Technical notes (Blue Mountains Natural Resources Institute); BMNRI-TN-2).
283. Nuzzo, V. A.; McClain, W.; Strole, T. Fire impact on groundlayer flora in a sand forest in 1990-1994. *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 207-221.
284. Parfit, M.; Gehman, R. The essential element of fire. *National geographic*; Vol. 190, no. 3 (Sept. 1996): p. 117-139.
285. Parsons, D. J. Restoring fire to giant sequoia groves : what have we learned in 25 years? *Proceedings : Symposium on Fire in Wilderness and Park Management : Missoula, MT, March 30-April 1, 1993*. [Ogden, UT] : U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station, 1995: p. 256-258. (General technical report INT ;

GTR-320).

286. Reinhardt, E. D.; Keane, R. E.; Brown, J. K. First Order Fire Effects Model : FOFEM 4.0 user's guide. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1997: 65 p. (General technical report INT; GTR-344).
287. Schwartz, M. W.; Heim, J. R. Effects of a prescribed fire on degraded forest vegetation. *Natural areas journal*; Vol. 16, no. 3 (July 1996): p. 184-191.
288. Van Wagtenonk, J. W.; Benedict, J. M.; Sydoriak, W. M. Physical properties of woody fuel particles of Sierra Nevada conifers. *International journal of wildland fire*; Vol. 6, no. 3 (Sept. 1996): p. 117-123.
289. White, J. D.; Ryan, K. C. Remote sensing of forest fire severity and vegetation recovery. *International journal of wildland fire*; Vol. 6, no. 3 (Sept. 1996): p. 125-136.

100. PHYSICAL ENVIRONMENT

290. Horvath, J. S. Geofoam : a lighter alternative in earthwork. *Land and water*; [Vol. 40, no. 4] (July/Aug. 1996): p. 18-20.
291. Snow avalanches : basic principles for avoiding and surviving snow avalanches. [Portland, OR]: USDA Forest Service, Pacific Northwest Region; [1994]: [7] p.

101. SOILS

292. Baker, J. M.; Spaans, E. J. A. Measuring water exchange between soil and atmosphere with TDR-microlysimetry. *Soil science*; Vol. 158, no. 1 (July 1994): p. 22-30.
293. Dahms, D. E.; Rawlins, C. L. A two-year record of eolian sedimentation in the Wind River Range, Wyoming, U.S.A. *Arctic and alpine research*; Vol. 28, no. 2 (May 1996): p. 210-216.
294. Gallardo, A.; Schlesinger, W. H. Exclusion of *Artemisia tridentata* Nutt. from hydrothermally altered rock by low phosphorus availability. *Madrone*; Vol. 43, no. 2 (Apr.-June 1996): p. 292-298.
295. Gile, L. H.; Gibbens, R. P.; Lenz, J. M. The near-ubiquitous pedogenic world of mesquite roots in an arid basin floor. *Journal of arid environments*; Vol. 35, no. 1 (Jan. 1997): p. [39]-58.
296. Gregorich, E. G.; Monreal, C. M.; Schnitzer, M.; Schulten, H. R. Transformation of plant residues into soil organic matter : chemical characterization of plant tissue, isolated soil

fractions, and whole soils. *Soil science*; Vol. 161, no. 10 (Oct. 1996): p. 680-693.

297. Howland, M. A. Science and nature combine for the best in slope stabilization. *Land and water*; [Vol. 40, no. 4] (July/Aug. 1996): p. 21-23.
298. Kaiser, K.; Zech, W. Nitrate, sulfate, and biphosphate retention in acid forest soils affected by natural dissolved organic carbon. *Journal of environmental quality*; Vol. 25, no. 6 (Nov./Dec. 1996): p. 1325-1331.
299. Kpombrekou-A, K.; Tabatabai, M. A. Effect of cropping systems on quantity/intensity relationships of soil phosphorus. *Soil science*; Vol. 162, no. 1 (Jan. 1997): p. 56-68.
300. Low, A. P.; Stark, J. M.; Dudley, L. M. Effects of soil osmotic potential on nitrification, ammonification, n-assimilation, and nitrous oxide production. *Soil science*; Vol. 162, no. 1 (Jan. 1997): p. 16-27.
301. Rhea, S. A.; Miller, W. W.; Blank, R. R.; Palmquist, D. E. Presence and behavior of colloidal nitrogen and phosphorus in a Sierra Nevada watershed soil. *Journal of environmental quality*; Vol. 25, no. 6 (Nov./Dec. 1996): p. 1449-1451.
302. Ross, P. J.; Parlange, J. -Y. Investigation of a method for deriving unsaturated soil hydraulic properties from water content profiles. *Soil science*; Vol. 157, no. 6 (June 1994): p. 335-340.
303. Scheidegger, A. M.; Sparks, D. L. A critical assessment of sorption-desorption mechanisms at the soil mineral/water interface. *Soil science*; Vol. 161, no. 12 (Dec. 1996): p. 813-831.
304. Schnabel, R. R.; Cornish, L. F.; Stout, W. L.; Shaffer, J. A. Denitrification in a grassed and a woody, valley and ridge, riparian ecotone. *Journal of environmental quality*; Vol. 25, no. 6 (Nov./Dec. 1996): p. 1230-1235.
305. Singh, B. Influence of forest litter on reclamation of semiarid sodic soils. *Arid soil research and rehabilitation*; Vol. 10, no. 3 (July-Sept. 1996): p. 201-211.
306. Swanson, D. K. Susceptibility of permafrost soils to deep thaw after forest fires in interior Alaska, U.S.A., and some ecological implications. *Arctic and alpine research*; Vol. 28, no. 2 (May 1996): p. 217-227.
307. Tew, R. K.; Kitchen, S. G.; Holmgren, R. C. Soil survey : Desert Experimental Range, Utah. Ogden, Utah: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1997: 22 p. (General technical report INT; 347).
308. Wilson, S. D.; Kleb, H. R. The influence of prairie and forest vegetation on soil moisture and available nitrogen. *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 222-231.

309. Worrell, R.; Hampson, A. The influence of some forest operations on the sustainable management of forest soils—a review. *Forestry*; Vol. 70, no. 1 (Feb. 1997): p. [61]-85.

102. HYDROLOGY

310. Broyles, B. Surface water resources for prehistoric peoples in western Papgueria of the North American south-west. *Journal of arid environments*; Vol. 33, no. 4 (Aug. 1996): p. [483]-495.
311. Elliot, W. J.; Foltz, R. B.; Luce, C. H. Validation of Water Erosion Prediction Project (WEPP) model for low-volume forest roads. *Proceedings of the 6th International Conference on Low-Volume Roads, 1995 June 25-29, Minneapolis, MN. Washington, DC: National Academy Press, 1995: p. 178-186.*
312. Gough, J. D.; Ward, J. C. Environmental decision-making and lake management. *Journal of environmental management*; Vol. 48, no. 1 (Sept. 1996): p. 1-15.
313. Groffman, P. M.; Howard, G.; Gold, A. J.; Nelson, W. M. Microbial nitrate processing in shallow groundwater in a riparian forest. *Journal of environmental quality*; vol. 25, no. 6 (Nov./Dec. 1996): p. 1309-1316.
314. Gutierrez, J.; Hernandez, I. I. Runoff and interrill erosion as affected by grass cover in a semi-arid rangeland of northern Mexico. *Journal of arid environments*; Vol. 34, no. 3 (Nov. 1996): p. [287]-295.
315. Madej, M. A.; Ozaki, V. Channel response to sediment wave propagation and movement, Redwood Creek, California, USA. *Earth surface processes and landforms*; Vol. 21, no. 9 (Sept. 1996): p. 911-927.
316. Marcus, W. A. Segment-scale patterns and hydraulics of trace metal concentrations in fine grain sediments of a cobble and boulder bed mountain stream, southeast Alaska. *Mountain research and development*; Vol. 16, no. 3 (Aug. 1996): p. 211-220.
317. Mattikalli, N. M.; Devereux, B. J.; Richards, K. S. Prediction of river discharge and surface water quality using an integrated geographical information system approach. *International journal of remote sensing*; Vol. 17, no. 4 (Mar. 1996): p. 683-701.
318. McCabe, G. J. Effects of winter atmospheric circulation on temporal and spatial variability in annual streamflow in the western United States. *Hydrological sciences journal*; Vol. 41, no. 6 (Dec. 1996): p. 873-887.
319. Megahan, W. F.; Ketcheson, G. L. Predicting downslope travel of granitic sediments from forest roads in Idaho. *Water resources bulletin*; Vol. 32, no. 2 (Apr. 1996): p. 371-382.
320. Nanson, G. C.; Knighton, A. D. Anabranching rivers : their cause, character and classification. *Earth surface processes and landforms*; Vol. 21, no. 3 (Mar. 1996): p. [217]-239.
321. Nelson, P. N.; Cotsaris, E.; Oates, J. M. Nitrogen, phosphorus, and organic carbon in streams draining two grazed catchments. *Journal of environmental quality*; Vol. 25, no. 6 (Nov./Dec. 1996): p. 1221-1229.
322. Roy, A. G.; Biron, P.; De Serres, B. On the necessity of applying a rotation to instantaneous velocity measurements in river flows. *Earth surface processes and landforms*; Vol. 21, no. 9 (Sept. 1996): p. 817-827.
323. Sear, D. A. Sediment transport processes in pool-riffle sequences. *Earth surface processes and landforms*; Vol. 21, no. 3 (Mar. 1996): p. [241]-262.
324. Thornton, C. I.; Abt, S. R.; Clary, W. P. Sediment entrapment potential of submerged stream channel vegetation. Carrying the torch for erosion control : an Olympic task. Steamboat Springs, CO : International Erosion Control Association, [1995]: p. 409-420.
325. Woods, R. A.; Rowe, L. K. The changing spatial variability of subsurface flow across a hillside. *Journal of hydrology, New Zealand*; Vol. 35, no. 1 (1996): p. 49-84.

103. GEOLOGY/MINING/MINERAL RESOURCES

326. Guo, W.; Parizek, R. R.; Rose, A. W. The role of thermal convection in resupplying O₂ to strip coal-mine spoil. *Soil science*; Vol. 158, no. 1 (July 1994): p. 47-55.
327. The Rural Abandoned Mine Program. *Land and water*; [Vol. 40, no. 4] (July/Aug. 1996): p. 44-46.

104. CLIMATOLOGY/METEOROLOGY/PHYSICS

328. Cline, D. W. Effect of seasonality of snow accumulation and melt on snow surface energy exchanges at a continental alpine site. *Journal of applied meteorology*; Vol. 36, no. 1 (Jan. 1997): p. 32-51.
329. Le Houerou, H. N. Climate change, drought and desertification. *Journal of arid environments*; Vol. 34, no. 2 (Oct. 1996): p. [133]-185.
330. Keller, J.; Lamprecht, R. Road dust as an indicator for air pollution transport and deposition : an application of SPOT imagery. *Remote sensing of environment*; Vol. 54, no. 1 (Oct. 1995): p. 1-12.

331. Lall, U.; Rajagopalan, B.; Tarboton, D. G. A nonparametric wet/dry spell model for resampling daily precipitation. *Water resources research*; Vol. 32, no. 9 (Sept. 1996): p. 2803-2823. Contract INT-92660-RJVA.
332. Leakey, D. M.; Hansen, M. C.; Schroeder, M. B. Very large potential temperature lapse rates and low turbulence levels during spring thaw on the prairies. *Journal of applied meteorology*; Vol. 35, no. 11 (Nov. 1996): p. 2057-2066.
333. Otterman, J.; Brakke, T.; Smith, J. Effects of leaf-transmittance versus leaf-reflectance on bidirectional scattering from canopy/soil surface—an analytical study. *Remote sensing of environment*; Vol. 54, no. 1 (Oct. 1995): p. 49-60.
334. Walmsley, J. L.; Schemenauer, R. S.; Bridgman, H. A. A method for estimating the hydrologic input from fog in mountainous terrain. *Journal of applied meteorology*; Vol. 35, no. 12 (Dec. 1996): p. 2237-2249.

112. TERRESTRIAL ANIMALS

335. Asaki, M.; Shattil, W.; Rozinski, B.; Parker, L.; Ulrich, T. The red-naped sapsucker works like a Vermont syrup maker, drilling holes in trees and tapping the sap. *Wyoming wildlife*; Vol. 60, no. 8 (Aug. 1996): p. 12-17.
336. McGarigal, K.; McComb, W. C. Streamside versus upslope breeding bird communities in the Central Oregon Coast Range. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 3.
337. Souires, J. R.; Ruggiero, L. F. Winter movements of adult northern goshawks that nested in southcentral Wyoming. *Journal of raptor research*; Vol. 29, no. 1 (Mar. 1995): p. 5-9.
338. Tropical connections. *Wyoming wildlife*; Vol. 60, no. 10 (Oct. 1996): p. 13-27.
339. Wilkinson, T. A troubled time for tortoises. *National parks*; Vol. 70, nos. 7/8 (July/Aug. 1996): p. 32-39.
340. Wu, Y. Elk survival following the 1988 Yellowstone fires : a simulation experiment. *Natural areas journal*; Vol. 16, no. 3 (July 1996): p. 198-207.

113. AQUATIC ANIMALS

341. Barron, J. C.; Anderson, J. J. Declining salmon fisheries. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center,

Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [171]-175.

342. Connolly, P. The long term response of resident cutthroat trout to forest harvest. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 9.
343. Duff, D. A. Fish stocking in U.S. federal wilderness areas : challenges and opportunities. *International journal of wilderness*; Vol. 1, no. 1 (Sept. 1995): p. 17-19.
344. Gregory, S.; Fieth, S. Influence of habitat complexity and food availability on the fish community in an Oregon coastal stream. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 23-24.
345. Gregory, S.; Schwartz, J. Long-term patterns of fish communities in the Alsea Watershed Study. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 12-13.
346. McCormick, F. H.; Hill, B. H.; Parrish, L. P.; Willingham, W. T. Mining impacts on fish assemblages in the Eagle and Arkansas Rivers, Colorado. *Journal of freshwater ecology*; Vol. 9, no. 3 (Sept. 1994): p. 175-179.
347. Olson, D. H. Juvenile salmonid assemblage structure in coastal Oregon basins : integrating the roles of ecology and behavior. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 10-11.
348. Radko, M. A. Spatially linking basinwide stream inventories to arcs representing streams in a geographic information system. Ogden, UT: U.S. Dept. of Agriculture, Forest Service, Intermountain Research Station; 1997: 22 p. (General technical report INT; GTR-345).
349. Singer, J. T. Investigation of acute toxicity of distillates from five species of wood for fathead minnows. *Forest products journal*; Vol. 47, no. 3 (Mar. 1997): p. 96-99.

115. ANIMAL ECOLOGY

350. Buchanan, J. An evaluation of the Washington Forest Practices Board Wildlife Committee preferred alternative for a Spotted Owl Protection Rule : a report to the Washington Forest

352. Dixon, S. L.; Lyman, R. L. On the holocene history of elk (*Cervus elaphus*) in eastern Washington. *Northwest science*; Vol. 70, no. 3 (Aug. 1996): p. 262-272.
353. Gomez, D. M.; Anthony, R. G. Small mammals & amphibians in Coast Range riparian ecosystems. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 4.
354. Hamazaki, T. Effects of patch shape on the number of organisms. *Landscape ecology*; Vol. 11, no. 5 (1996): p. [299]-306.
355. Hansen, A. Responses of vertebrate communities to stand and landscape patterns in natural and managed forests in western Oregon. The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 33-34.
356. Hayward, G. D.; Hayward, P. H. Relative abundance and habitat associations of small mammals in Chamberlain Basin, central Idaho. *Northwest science*; vol. 69, no. 2 (May 1995): p. 114-125.
357. Kernohan, B. J.; Jenks, J. A.; Naugle, D. E.; Millsaugh, J. J. Estimating 24-h habitat use patterns of white-tailed deer from diurnal use. *Journal of environmental management*; Vol. 48, no. 3 (Nov. 1996): p. 299-303.
358. Ligon, J. D.; Stacey, P. B. Land use, lag times and the detection of demographic change : the case of the acorn woodpecker. *Conservation biology*; Vol. 10, no. 3 (June 1996): p. 840-846.
359. Madson, C.; Christie, T. Wyoming's owls show marvelous specializations for hunting on the wing eyes of the night. *Wyoming wildlife*; Vol. 60, no. 10 (Nov. 1996): p. 16-23.
360. Mahan, C. G.; Yahner, R. A. Effects of forest fragmentation on burrow-site selection by the eastern chipmunk (*Tamias striatus*). *The American midland naturalist*; Vol. 136, no. 2 (Oct. 1996): p. 352-357.
361. Mehlman, D. W. The protection status of birds, mammals, and plants considered rare, threatened, or endangered in New Mexico, USA. *Natural areas journal*; Vol. 16, no. 3 (July 1996): p. 208-215.

120. RANGE MANAGEMENT

364. Bautista, S.; Bellot, J.; Vallejo, V. R. Mulching treatment for postfire soil conservation in a semiarid ecosystem. *Arid soil research and rehabilitation*; Vol. 10, no. 3 (July-Sept. 1996): p. 235-242.
365. Belnap, J.; Harper, K. T. Influence of cryptobiotic soil crusts on elemental content of tissue of two desert seed plants. *Arid soil research and rehabilitation*; Vol. 9 (1995): p. 107-115.
366. Cody, B. A. Grazing fees : an overview. Washington, D. C.: Congressional Research Service, Library of Congress; 1996: 6 p. (CRS report for Congress; 96-450 ENR).
367. Goodwin, J. R.; Doescher, P. S.; Eddleman, L. E. Germination of Idaho fescue and cheatgrass seeds from coexisting populations. *Northwest science*; Vol. 70, no. 3 (Aug. 1996): p. 230-241.
368. Gosz, R. J.; Gosz, J. R. Species interactions on the biome transition zone in New Mexico : response of blue grama (*Bouteloua gracilis*) and black grama (*Bouteloua eriopoda*) to fire and herbivory. *Journal of arid environments*; Vol. 34 (1996): p. [101]-114.
369. Pickup, G. Estimating the effects of land degradation and rainfall variation on productivity in rangelands : an approach using remote sensing and models of grazing and herbage dynamics. *Journal of applied ecology*; Vol. 33, no. 4 (Aug. 1996): p. 819-832.
370. Seen, D. L.; Chehbouni, A.; Njoku, E.; Sanchi, S.; Mougin, E.; Monteny, B. An approach to couple vegetation functioning and soil-vegetation-atmosphere-transfer models for semiarid grasslands during the HAPEX-Sahel experiment. *Agricultural and forest meteorology*; Vol. 83, nos. 1/2 (Jan. 1997): p. [49]-74.

130. LAND USE

371. Oelschlaeger, M. Soul of the wilderness : the wild, the tame, and the folly of sustainable development. *International journal of wilderness*; Vol. 1, no. 2 (Dec. 1995): p. 5-7.
372. Power, T. M. Soul of the wilderness : wilderness economics must look through the windshield, not the rearview mirror. *International journal of wilderness*; Vol. 2, no. 1 (May

1996): p. 5-9.

131. LAND USE--GENERAL

373. Alder, S. Some pitfalls with government land trusts. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 47-48.
374. Buono, F. American Indian private religious preserves on public lands : the legal issues. *George Wright Forum*; Vol. 13, no. 4 (1996): p. 14-28.
375. Donovan, P. Achieving the potential of the federal lands. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 27-30.
376. Fairfax, S. States as public land managers. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 20-26.
377. Ferguson, B. K. The maintenance of landscape health in the midst of land use change. *Journal of environmental management*; Vol. 48, no. 4 (Dec. 1996): p. 387-395.
378. Iverson, D. Public lands, private rights, public responsibilities. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 16-19.
379. Nelson, R. The failure of scientific management. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 13-15.
380. Schmit, L.; Rasker, R. Federal lands payment programs in the Columbia River Basin. Washington, DC: The Wilderness Society; c1996: iv, 53 p.
381. Wilkinson, C. F. The public lands and the national heritage. *Different drummer*; Vol. 2, no. 4 (fall 1995): p. 8-12.

140. FOREST RECREATION

382. Beers, C.; Spomer, R. The scourge of the ATV. *Wyoming wildlife*; Vol. 60, no. 10 (Oct. 1996): p. 29-35.
383. Chavez, D. J. Bunny hops or vegetable tunnels? : perceptions and preferences of mountain bike riders on the San Jacinto Ranger District. *Western journal of applied forestry*; Vol. 12, no. 2 (Apr. 1997): p. 44-48.
384. Cook, B.; Borrie, W. T. Trends in recreation use and management of wilderness. *International journal of wilderness*; Vol. 1, no. 2 (Dec. 1995): p. 30-34.

385. Jubenville, A. Trail and site management are the key to untrammeled wilderness. *International journal of wilderness*; Vol. 1, no. 2 (Dec. 1995): p. 23-25.

386. Palmer, J. F. National parks : can the old dog learn new tricks? *Proceedings of the 1996 Northeastern Recreation Research Symposium*, March 31-April 2, 1996, Bolton Landing, New York. Radnor, PA : USDA Forest Service, Northeastern Forest Experiment Station, 1997: p. 69-71. (General technical report NE ; 232).

150. SOCIAL SCIENCE AND EDUCATION

387. Manning, R. E.; Valliere, W.; Minter, B. A. Environmental values, environmental ethics, and national forest management : an empirical study. *Proceedings of the 1996 Northeastern Recreation Research Symposium*, March 31-April 2, 1996, Bolton Landing, New York. Radnor, PA : USDA Forest Service, Northeastern Forest Experiment Station, 1997: p. 216-222. (General technical report NE ; 232).
388. Manning, R. E.; Valliere, W. A. Environmental values, environmental ethics, and wilderness management : an empirical study. *International journal of wilderness*; Vol. 2, no. 2 (Aug. 1996): p. 27-32.
389. More, T. A.; Averill, J. R.; Stevens, T. H. Values and economics in environmental management : a perspective and critique. *Journal of environmental management*; Vol. 48, no. 4 (Dec. 1996): p. 397-409.
390. Selin, S. W.; Schuett, M. A.; Carr, D. S. Collaborative planning and the USDA Forest Service : land manager perspectives. *Proceedings of the 1996 Northeastern Recreation Research Symposium*, March 31-April 2, 1996, Bolton Landing, New York. Radnor, PA : USDA Forest Service, Northeastern Forest Experiment Station, 1997: p. 101-104. (General technical report NE ; 232).

160. ECOSYSTEMS

391. Blackwood, J. D.; Quigley, T. M. Eastside ecosystem management project. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [161]-162.
392. Booth, D. E. Preserving old-growth forest ecosystems : valuation and policy. *Environmental values*; Vol. 6, no. 1 (1997): p. 31-48.
393. Bourgeron, P.; Jensen, M.; Everett, R. L. Landscape ecology, conservation biology and principles of ecosystem management. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA.

- [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [41]-47.
394. Byler, J.; Vogler, D. Forest pathology and disturbance ecology : is there a role for forest pathologists? Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 118.
 395. Covington, W. W.; Fule, P. Z.; Moore, M. M.; Hart, S. C.; Kolb, T. E.; Mast, J. N.; Sackett, S. S.; Wagner, M. R. Restoring ecosystem health in ponderosa pine forests of the Southwest. *Journal of forestry*; Vol. 95, no. 4 (Apr. 1997): p. 23-29.
 396. Daniels, S. E.; Walker, G. B. Searching for effective natural resource policy : the special challenges of ecosystem management. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [69]-75.
 397. Deangelis, D. L. The nature and significance of feedback in ecosystems. Complex ecology : the part-whole relation in ecosystems. Englewood Cliffs, NJ : Prentice Hall, c1995: p. 450-467.
 398. DellaSala, D. A.; Olson, D. M.; Crane, S. L. Ecosystem management and biodiversity conservation : applications to inland Pacific Northwest forests. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [139]-160.
 399. DePuit, E. J. Concluding perspectives on ecosystem management in interior forests. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [211]-213.
 400. Dolloff, C. A. Large woody debris- the common denominator for integrated environmental management of forest streams. Implementing integrated environmental management. Blacksburg, Va. : University Center for Environmental and Hazardous Materials Studies, Virginia Polytechnic Institute and State University, 1994: p. [93]-108.
 401. Dombeck, M. P. From commodity to community : a common sense approach to understanding ecosystem management. University Park, Pa.: Pennsylvania State University, College of Agricultural Sciences, School of Forest Resources; [1995?]: 16 p.
 402. Duff, D. A. The changing role of wilderness in ecosystem management. *International journal of wilderness*; Vol. 1, no. 1 (Sept. 1995): p. 12-16.
 403. Hagle, S. K. Pathogen and insect succession functions in forest ecosystems. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 133-137.
 404. Haynes, R. W.; Quigley, T. M. Socio-economic issues related to interior ecosystems. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [57]-64.
 405. Heissenbuttel, A. E. Industry perspectives on ecosystem management : an evolution in forest science and policy. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [11]-14.
 406. Jensen, D. B. Conservation perspectives. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [7]-10.
 407. Keane, R. E.; Arno, S. F.; Stewart, C. Restoration of upper subalpine whitebark pine (*Pinus albicaulis*) ecosystems in western Montana. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 105-111.
 408. The Keystone national policy dialogue on ecosystem management : final report. Keystone, Colo.: Keystone Center; 1996: 1 v. (various pagings).
 409. Lehmkuhl, J. F.; Hessburg, P. F.; Ottmar, R. D.; Huff, M. H.; Everett, R. L.; Alvarado, E.; Vihnanek, R. E. Assessment of terrestrial ecosystems in eastern Oregon and Washington : the Eastside Forest Ecosystem Health Assessment. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [87]-99.
 410. Lundquist, J. E. Developing disturbance profiles. Proceedings of the forty-third annual Western International Forest Disease Work Conference, Big Mountain Resort, Whitefish, Montana, August 29-September 1, 1995. [S.l. : s.n., 1996?]: p. 121-132.
 411. Morrissey, W. A.; Zinn, J. A.; Corn, M. L. Ecosystem management : federal agency activities. Washington, D. C.: Congressional Research Service, Library of Congress; 1994: 124 p. (CRS report for Congress; 94-339 ENR).
 412. Norris, L. A. Ecosystem management : a science perspective. Ecosystem management in western interior forests : symposium proceedings, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [15]-18.

413. Noss, R. F. Soul of the wilderness : biodiversity, ecological integrity, and wilderness. *International journal of wilderness*; Vol. 2, no. 2 (Aug. 1996): p. 5-8.
414. O'Laughlin, J. Forest health concepts and their application to managing Idaho forests. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [25]-39.
415. Partnerships for habitat improvement : wildlife, fish, and rare plants 1995 partnerships report. Washington, D.C.: U.S. Dept. of Agriculture, Forest Service, Wildlife, Fish, and Rare Plants Staff; 1996: 45 p.
416. Patten, B. C.; Jorgensen, S. E.; Auerbach, S. I. Complex ecology : the part-whole relation in ecosystems. Englewood Cliffs, NJ: Prentice Hall; c1995: xxx, 705 p.
417. Perry, D. A. Interim protection for late-successional forests, fisheries, and watersheds : a summary of the report of the Eastside Forests Scientific Society Panel. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [103]-114.
418. Protecting and restoring aquatic ecosystems : new directions for watershed and fisheries research in the USDA Forest Service. [Washington, D.C.]: U.S. Dept. of Agriculture, Forest Service; 1994: 13 p.
419. Rapport, D. J.; Regier, H. A. Disturbance and stress effects on ecological systems. *Complex ecology : the part-whole relation in ecosystems*. Englewood Cliffs, NJ : Prentice Hall, c1995: p. 397-414.
420. Reiter, M. L.; Beschta, R. L. Temperature and large wood patterns in forested coastal streams. *The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium*, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 7-8.
421. Roush, G. J. The biggest threat to wilderness. *International journal of wilderness*; Vol. 1, no. 1 (Sept. 1995): p. 8-11.
422. Salwasser, H. Looking forward : integrated environmental management is the prudent alternative. *Implementing integrated environmental management*. Blacksburg, Va. : University Center for Environmental and Hazardous Materials Studies, Virginia Polytechnic Institute and State University, 1994: p. 133-137.
423. Sedell, J.; Reeves, G. H. Assessment of aquatic ecosystems in eastern Oregon and Washington : the Eastside Assessment report. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [101]-102.
424. Smith, A. D. Ecosystem management : is it law? *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [77]-83.
425. Spies, T.; Poage, N. J.; Tappeiner, J. Structure, composition, and productivity of riparian vegetation in the Oregon Coast Range. *The ecology & management of Oregon Coast Range forests : a mid-term COPE symposium*, March 29-31, 1994, Salishan Lodge, Gleneden Beach, Oregon. Corvallis, Or. : Coastal Oregon Productivity Enhancement Program, Oregon State University, 1994: p. 1-2.
426. Structure based management. *Forest log*; Vol. 65, no. 3 (Nov./Dec. 1995): p. 19, 25-26.
427. Tausz, M.; Batic, F.; Grill, D. Bioindication at forest sites : concepts, practice, and outlook. *Phyton : annales rei botanicae*; Vol. 36, no. 3 (1996): p. [7]-14.
428. Thomas, J. W. Implementation of ecosystem management. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [1]-3.
429. Tuchmann, E. T. Talking points for "ecosystem management in western interior forests". *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [19]-21.
430. Van Dyne, G. M. Ecosystems, systems ecology, and systems ecologists. *Complex ecology : the part-whole relation in ecosystems*. Englewood Cliffs, NJ : Prentice Hall, c1995: p. 1-27.
431. Waide, J. B. Ecosystem stability : revision of the resistance-resilience model. *Complex ecology : the part-whole relation in ecosystems*. Englewood Cliffs, NJ : Prentice Hall, c1995: p. 372-396.
432. Weigand, J. F.; Everett, R. L. Social issues in restoring stressed forest ecosystems in eastern Oregon and Washington. *Ecosystem management in western interior forests : symposium proceedings*, May 3-5, 1994, AG Trade Center, Spokane, Washington, USA. [Pullman, Wash. : Cooperative Extension, Washington State University, 1995]: p. [49]-56.
433. Wiersma, Y. Corridors in a regional conservation plan : a commentary on the use of corridors using the Greater Georgian Bay Ecosystem as a model. *George Wright Forum*; Vol. 13, no. 4 (1996): p. 51-62.

170. WILDLIFE MANAGEMENT

434. Boyce, J. R. An economic analysis of the fisheries bycatch problem. *Journal of environmental economics and management*; Vol. 31 (1996): p. 314-336.
435. Clark, T. W.; Curlee, A. P.; Reading, R. P. Crafting effective solutions to the large carnivore conservation problem. *Conservation biology*; Vol. 10, no. 4 (Aug. 1996): p. 940-948.
436. Lewis, J. C.; Zielinski, W. J. Historical harvest and incidental capture of fishers in California. *Northwest science*; Vol. 70, no. 4 (Nov. 1996): p. 291-297.
437. Marcot, B. G. Integrating environmental management through conservation strategies for threatened and endangered wildlife species. *Implementing integrated environmental management*. Blacksburg, Va. : University Center for Environmental and Hazardous Materials Studies, Virginia Polytechnic Institute and State University, 1994: p. [79]-91.
438. Truett, J. Bison and elk in the American Southwest : in search of the pristine. *Environmental management*; Vol. 20, no. 2 (1996): p. 195-206.

GEOLOGY ALERT

COAL/HYDROCARBONS

- G001. Biogeochemistry of lichens and mosses in and near Mt. Zirkel Wilderness, Routt National Forest, Colorado; influences of coal-fired power plant emissions
Jackson, Larry L.; Geiser, Linda; Blett, Tamara; Gries, Corinna; Haddow, Dennis
U. S. Geological Survey, Denver, CO, United States; U. S. Geological Survey, Reston, VA, United States
Open-File Report 96-0295 - U. S. Geological Survey, 1996, 162 p.
- G002. Geologic characterization and coalbed methane occurrence, Williams Fork Formation, Piceance Basin, Northwest Colorado; Annual Report, December 1, 1993-November 30, 1994
Tyler, R.; Kaiser, W. R.; McMurry, R. G.; Nance, H. S.; Scott, A. R.
University of Texas at Austin, Bureau of Economic Geology, Austin, TX, United States, performer
1995, 235 p.

ENVIRONMENTAL GEOLOGY

- G003. The effects of soil type, crude oil type and loading, oxygen, and commercial bacteria on crude oil bioremediation kinetics as measured by soil respirometry
Huesemann, M. H.; Moore, K. O.
Shell Development Company, Houston, TX, United States; Naval Civil Engineering Laboratory, United States, USAF Center for Environmental Excellence, United States
Hydrocarbon bioremediation
Edited by Hinchee, Robert E.; Alleman, Bruce C.; Hoeppel, Ron E.; Miller, Ross N.
Battelle, Columbus, OH, United States
Second international symposium on In situ and on-site bioreclamation, San Diego, CA, United States, April, 1993.
Bioremediation, vol. 2, p. 58-71, 1994.
- G004. Laboratory feasibility study for bioremediation of a kerosene-contaminated site
Watwood, M. E.; Carr, D. L.
Idaho State University, Biological Science, Pocatello, ID, United States; Naval Civil Engineering Laboratory, United States, USAF Center for Environmental Excellence,

United States, Texas Tech University, United States

Hydrocarbon bioremediation

Edited by Hinchee, Robert E.; Alleman, Bruce C.; Hoeppel, Ron E.; Miller, Ross N.

Battelle, Columbus, OH, United States

Second international symposium on In situ and on-site bioreclamation, San Diego, CA, United States, April, 1993.

Bioremediation, vol. 2, p. 424-430, 1994.

- G005. Organochlorine pesticides and PCBs in aquatic ecosystems of the central Columbia Plateau
Gruber, S. J.; Munn, M. D.
U. S. Geological Survey, Reston, VA, United States
Fact Sheet FS 0170-96 - U. S. Geological Survey, 1996, 4 p.

MINERALS/MINERALOGY

- G006. Assessment of undiscovered mineral resources in the Pacific Northwest; a contribution to the Interior Columbia Basin Ecosystem Management Project
Box, Stephen E.; Bookstrom, Arthur A.; Zientek, Michael L.; Derkey, Pamela D.; Ashley, Roger P.; Elliott, James E.; Peters, Stephen G.
U. S. Geological Survey, Spokane, WA, United States
Open-File Report 95-0682 - U. S. Geological Survey, 1996, 282 p.
- G007. Clay alteration and gold deposition in the Genesis and Blue Star deposits, Eureka County, Nevada
Drews-Armitage, S. P.; Romberger, S. B.; Whitney, C. G.
Stillwater Solutions, Golden, CO, United States; Colorado School of Mines, United States, U. S.
Geological Survey, United States
Economic Geology and the Bulletin of the Society of Economic Geologists, vol. 91, no. 8; p. 1383-1393, 1996.
- G008. A diatom record of climate and hydrology for the past 200 ka from Owens Lake, California with comparison to other Great Basin records
Bradbury, J. Platt
U. S. Geological Survey, Denver, CO, United States
Quaternary Science Reviews, vol. 16, no. 2, p. 203-219, 1997.

- G009. Discovery and geology of gold mineralization at the Rosebud Project, Pershing County, Nevada

Walck, Cynthia M.; Bennett, Robert E.; Kuhl, Timothy O.; Kenner, Kristen L.
LAC Minerals, Reno, NV, United States
Gold and silver deposits of western Nevada
Edited by Struhsacker, Eric M.
Santa Fe Pacific Mining, United States
Special Publication - Geological Society of Nevada, vol. 18, p. G1-G4, 1993.

- G010. A preliminary assessment of energy and mineral resources within the Grand Staircase-Escalante National Monument

Compiled by Allison, M. Lee
Utah Geological Survey, Salt Lake City, UT, United States
Circular 93 - Utah Geological Survey, 1997, 36 p.

- G011. Synthesis of the paleoclimatic record from Owens Lake core OL-92

Smith, George I.; Bischoff, James L.; Bradbury, J. Platt
U. S. Geological Survey, Menlo Park, CA, United States
An 800,000-year paleoclimatic record from core OL-92, Owens Lake, Southeast California
Edited by Smith, George I.; Bischoff, James L.
U. S. Geological Survey, Menlo Park, CA, United States
Special Paper - Geological Society of America, vol. 317, p. 143-160, 1997.

- G012. Uranium provinces of North America; their definition, distribution, and models
Finch, Warren I.

U. S. Geological Survey, United States
U. S. Geological Survey Bulletin 2141, 1996 18 p. 2 sheets

PETROLEUM/PETROLEUM ENGINEERING

- G013. Hydrology, chemical quality, and characterization of salinity in the Navajo Aquifer in and near the Greater Aneth oil field, San Juan County, Utah

Spangler, L. E.; Naftz, D. L.; Peterman, Z. E.
U. S. Geological Survey, Salt Lake City, UT, United States
Water-Resources Investigations 96-4155 - U. S. Geological Survey, 1996 90 p.
Note: Prepared in cooperation with U.S. Environmental Protection Agency; Utah

Division of Oil, Gas, and Mining; Bureau of Reclamation; Bureau of Land Management;
Bureau of Indian Affairs; Navajo Environmental Protection Agency; Navajo Water
Resources Management Department

- G014. Methodology for using contaminated soil leachability testing to determine soil cleanup levels at contaminated petroleum underground storage tank (UST) sites

Odermatt, John R.; Menatti, John A.
California Reg. Water Qual. Control Board, San Diego, CA, United States
Journal of Soil Contamination, vol. 5, no. 2, p. 157-169, 1996.

- G015. Nonassociated gas resources in low-permeability sandstone reservoirs, lower Tertiary

Wasatch Formation, and Upper Cretaceous Mesaverde Group, Uinta Basin, Utah
Fouch, T. D.; Schmoker, J. W.; Boone, L. E.; Wandrey, C. J.; Crovelli, R. A.
U. S. Geological Survey, Lakewood, CO, United States
19940816 62 p.
Report DOE/MC/30139-3971

- G016. Ordovician Red River "B"; horizontal oil play in the southern Williston Basin

Montgomery, Scott L.
1511 18th Avenue East, Seattle, WA, United States
AAPG Bulletin, vol. 81, no. 4, p. 519-532, 1997.

STRUCTURAL GEOLOGY

- G017. Structural geometry resulting from episodic extension in the northern Chief Range area, eastern Nevada

Burke, Kelly J.; Axen, Gary J.
U. S. Geological Survey, Flagstaff, AZ, United States
Geologic studies in the Basin and Range-Colorado Plateau transition in southeastern Nevada, southwestern Utah, and northwestern Arizona, 1995.
Edited by Maldonado, Florian; Nealey, L. David
U. S. Geological Survey, United States
U. S. Geological Survey Bulletin 2153, p. 265-288, 1997.

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- M02. Can you pass the ethics test? WorkingSMART, 23(5): 4 p. May 1997.
- M03. Conduct positive performance reviews. WorkingSMART, 23(1): 4 p. January 1997.
- M04. The Elements of a successful training program. OPEN Dialog, p. 3. Winter 1996.
- M05. How to cope with conflicts within the team. Getting Results...For the Hands-On Manager, p. 1. April 1996.
- M06. How creative people can get organized. The Office Professional, 17(4): 3-4. April 1997.
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- M08. When the boss makes you look bad. WorkingSMART, 23(5): 5. May 1997.
- M09. Women's preferred futures. The Futurist, 31(3): Supp., 11 p. 1997.
- M10. Airhart, Janice. Does your writing style have 'human interest'? The Editorial Eye, 20(4): 1-4. April 1997.
- M11. Bell, Chip R. Portable Wisdom: A new key to employee loyalty. Management Review, 85(12): 20-24. December 1996.
- M12. Bertrand, Kate. Take the sting out of outdoor work. Today's Supervisor, 61(5): 12-13. May 1997.
- M13. Bertrand, Kate. Warning devices ignite debate: Flares or triangles? Today's Supervisor, 60(8): 10-11. August 1996.
- M14. Brady, Teresa. Added liability: Third-party sexual harassment. Management Review, 86(4): 45-47. April 1997.
- M15. Brady, Teresa. A New twist on the 'old' age discrimination act. Management Review, 85(12): 38-39. December 1996.
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- M17. Brown, Tom. The essence of strategy. Management Review, 86(4): 8-13. April 1997.
- M18. Brubaker, Arthur F. Brace yourself for a tornado. Safety+Health, 155(4): 70-72. April 1997.
- M19. Capozzoli, Thomas K. Creating a motivating environment for employees. Supervision, 58(4): 14-17, 26. April 1997.
- M20. Eder, Peter F. The emerging interactive society. The Futurist, 31(3): 43-46. May-June 1997.
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- M28. Harari, Oren. Stop empowering your people. Management Review, p. 48-51. February 1997.
- M29. Harari, Oren. Thank heavens for complainers. Management Review, p. 9, 25-29. March 1997.
- M30. Harari, Oren. The lab test: A tale of quality. Management Review, 86(4): 17-20. April 1997.
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- M32. Kinde, John. Touch your audience with stories. The Toastmaster, 63(3): 20-21. March 1997.
- M33. Laurent, Anne. Buying smarts. Government Executive, 29(4): 28-29, 33-37. April 1997.
- M34. Magretta, Joan. Will she fit in? Harvard Business Review, 75(2): 18-20, 22, 26-30, 32. March-April 1997.
- M35. McCune, Jenny C. E-mail etiquette. Management Review, 86(4): 14-15. April 1997.
- M36. Mustalho, Thomas. Speak with eloquence. The Toastmaster, 63(3): 8-11. March 1997.
- M37. Nanfito, Michael. Build intelligence into your intranet. Information Outlook, 1(5): 16-20. May 1997.
- M38. Parachin, Victor. Develop your self-confidence. The Toastmaster, 63(3): 14-18. March 1997.
- M39. Parachin, Victor. Nice ways to say no. Supervision, 58(4): 13-15. April 1997.

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- M40. Pollock, Ted. The six deadliest management sins. Supervision, 56(4): 24-25. April 1997.
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- M46. Rivenbark, Leigh. A helping hand [Mentoring]. Federal Times, 33(7): p. 1, 11-13. March 24, 1997.
- M47. Rivenbark, Leigh. 14 ways to boost morale in your office. Federal Times, 32(26): 1, 12-13. August 5, 1996.
- M48. Roch, Mark. Funny business: Know when to pull your punch lines in the workplace. OfficeSystems97, 14(4): 59. April 1997.
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- M54. Turk, Penelope Bryant. Listen carefully. The Toastmaster, 63(3): 22-23. March 1997.
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- M58. Wilhelm, Wayne.; Roscello, Bill. The care and feeding of customers. Management Review, p. 19-23. March 1997.
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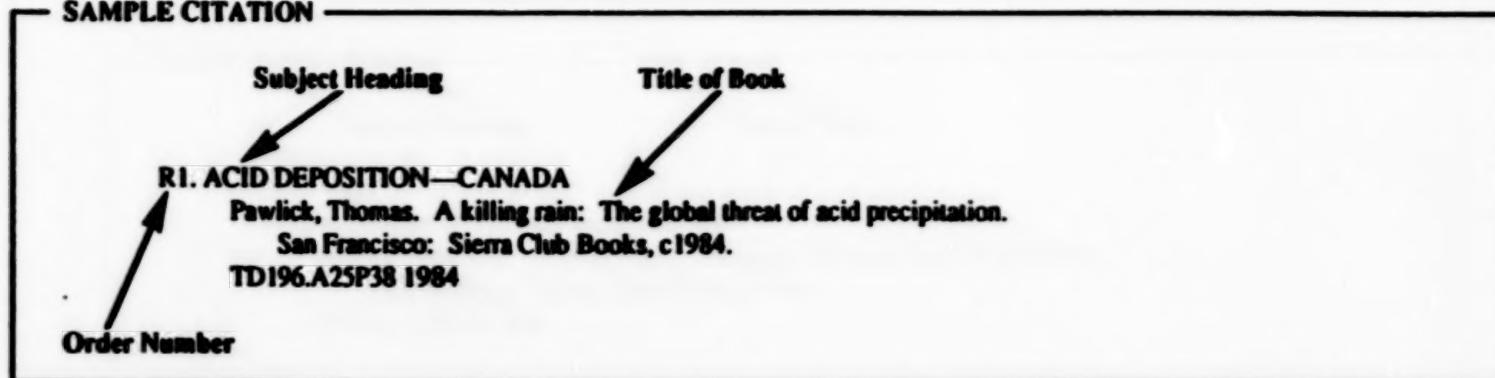
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North American Prairie Conference (14th : 1994 : Manhattan, Kansas).
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